CATALOG 1971-1972

Amherst College Bulletin
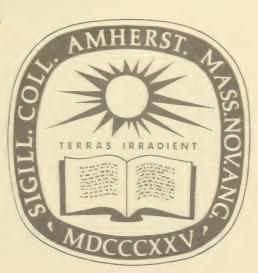
VOLUME 61 · NUMBER 3

NOVEMBER 1971

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Amherst College

Bulletin

SIGILL. COLL. AMHERST. MASS. NOV. ANG.

TERRAS IRRADIENT

MDCCCXXV

CATALOG 1971-1972

DIRECTIONS FOR CORRESPONDENCE

The post office and telegraph address of the College is Amherst, Massachusetts, 01002. The telephone number for all departments is 542–2000 (Area Code 413).

General information about Amherst College is available upon request from the Office of the Secretary, Box 65, Amherst College, Amherst, Massachusetts 01002.

Specific inquiries on the following subjects should be addressed to the officers named below:

Admission of students and catalog requests	Eugene S. Wilson, *Dean of Admission*
Alumni matters	Frederic J. Gardner, *Secretary of the Alumni Council*
Business matters	Kurt M. Hertzfeld, *Treasurer*
Financial Aid	Dean Donald McM. Routh
Student affairs	Dean Robert A. Ward
Transcripts and records	Robert F. Grose, *Registrar*

The New England Association of Colleges and Secondary Schools accredits schools and colleges in the six New England states. Membership in one of the six regional accrediting associations in the United States indicates that the school or college has been carefully evaluated and found to meet standards agreed upon by qualified educators. Colleges support the efforts of public school and community officials to have their secondary school meet the standards of membership.

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1971-1973

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College Calendar

1971

September 7, Tuesday. Freshman orientation begins.

September 10, Friday. First semester classes begin, 8:00 a.m.

September 11, Saturday. Thursday classes held.

September 23, Thursday. Last day for first semester course changes.

October 23, Saturday. Wesleyan football game at Amherst. A holiday.

November 13, Saturday. Williams football game at Williamstown. A holiday.

November 19, Friday. Fall recess begins, 5:00 p.m.

November 29, Monday. Fall recess ends, 8:00 a.m.

December 15, Wednesday. Last day of first semester classes.

December 18–22, Saturday–Wednesday. First semester examination period.

December 23, Thursday. Winter recess begins.

1972

January 3, Monday. Winter recess ends; beginning of interterm.

January 28, Friday. Interterm ends.

January 31, Monday. Second semester classes begin, 8:00 a.m.

February 14, Monday. Last day for second semester course changes.

March 24, Friday. Spring recess begins, 5:00 p.m.

April 3, Monday. Spring recess ends, 8:00 a.m.

May 12, Friday. Last day of second semester classes.

May 16–20, Tuesday–Saturday. Second semester examination period.
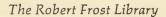
June 2, Friday. Commencement.

I

THE CORPORATION

FACULTY

FELLOWS

ADMINISTRATION

The Robert Frost Library

The Corporation

COMMITTEES OF
THE CORPORATION*

The Chairman of the Corporation and the President of the College are members, *ex officiis*, of all committees.

Executive Committee. Messrs. Colgan, DeBevoise, Gellhorn, Hastie, Knight, Merrill (Chairman), Plimpton.

Budget and Finance Committee. Messrs. Beitzel (Chairman), DeBevoise, Liedtke, McKean, Seligman, Shinn, Wirtz.

Investment Committee. Messrs. Colgan, Hill, Knight, Liedtke, Plimpton, Shinn (Chairman).

Instruction Committee. Messrs. Beitzel, DeBevoise, Esty, Gellhorn, Hastie, Kirp, Liedtke, McKean, Peterson, Plimpton, Seligman, Truman (Chairman).

Buildings and Grounds Committee. Messrs. Beitzel, DeBevoise (Chairman), Hastie, Seligman.

Honorary Degrees Committee. Messrs. Esty, Gellhorn, Hastie (Chairman), Plimpton, Wirtz.

Folger Shakespeare Library Committee. Messrs. Colgan, Esty, Hastie, Plimpton (Chairman), Seligman, Shinn, Wirtz.

Committee on Fraternities and Student Life. Messrs. Beitzel, Colgan, DeBevoise, Esty, Gellhorn (Chairman), Hastie, Kirp, Knight, Peterson, Shinn, Truman.

Compensation Committee. Messrs. Colgan, Gellhorn, Knight (Chairman), Liedtke, McKean, Seligman, Truman.

Committee on Development. Messrs. Beitzel, Colgan (Chairman), Knight, McKean, Plimpton, Shinn.

The corporate name of the College is
THE TRUSTEES OF AMHERST COLLEGE

*Final committee assignments are made at the fall meeting of the Corporation. The new Trustees, Messrs. McKean and Kirp, have been nominated to committees as indicated.

Faculty

John William Ward, *President of the College.* A.B. (1937) Harvard College; M.A. (1950), Ph.D. (1953) University of Minnesota; M.A. (hon. 1965) Amherst College.

EMERITI

Charles Woolsey Cole, *President, Emeritus.* B.A. (1927) Amherst College; A.M. (1928), Ph.D. (1931) Columbia University; L.H.D. (1942) Amherst College, (1951) University of Massachusetts, (1953) Trinity College; LL.D. (1946) Wagner College, (1946) Wesleyan University, (1946) Williams College, (1952) American International College, (1953) Doshisha University, (1954) Columbia University, (1960) Amherst College; Litt.D. (1948) Hamilton College; Sc.D. (1948) Clarkson College; LL.D. (1964) Emerson College.

Calvin Hastings Plimpton, *President, Emeritus.* B.A. (1939) Amherst College; M.D. (1943), M.A. (1947) Harvard University; Med. Sc.D. (1951) Columbia University; LL.D. (1960) Williams College; LL.D. (1961) Wesleyan University; Sc.D. (1962) Rockford College; LL.D. (1962) Doshisha University; L.H.D. (1962) University of Massachusetts; Sc.D. (1963) Saint Mary's College; LL.D. (1963) St. Lawrence University; Litt.D. (1965) American International College; Sc.D. (1966) Trinity College; Sc.D. (1967) Grinnell College; Litt.D. (1969) Michigan State University; LL.D. (1971) Amherst College.

George William Bain, *Samuel A. Hitchcock Professor of Mineralogy and Geology, Emeritus.* B.Sc. (1921), M.Sc. (1923) McGill University; M.A. (1923), Ph.D. (1927) Columbia University; M.A. (hon. 1941) Amherst College.

Theodore Baird, *Samuel Williston Professor of English, Emeritus.* B.A. (1921) Hobart College; M.A. (1922), Ph.D. (1929) Harvard University; M.A. (hon. 1939) Amherst College.

Ralph Alonzo Beebe, *Massachusetts Professor of Chemistry, Emeritus.* B.A. (1920) Amherst College; Ph.D. (1923) Princeton University.

Paul Witherspoon Eckley, *Professor of Physical Education, Emeritus.* B.A. (1917) Cornell University; M.A. (hon. 1949) Amherst College.

Alfred Freeman Havighurst, *Professor of History, Emeritus.* B.A. (1925) Ohio Wesleyan University; M.A. (1928) University of Chicago; Ph.D. (1936) Harvard University; M.A. (hon. 1955) Amherst College.

Gail Kennedy, *Henry C. Folger Professor of Philosophy, Emeritus.* B.A. (1922) University of Minnesota; Ph.D. (1928) Columbia University; M.A. (hon. 1948) Amherst College.

Michael Joseph Kennedy, *Associate Professor of Physical Education, Emeritus.*

George Wallace Kidder, *Stone Professor of Biology, Emeritus.* B.A. (1926) University of Oregon; M.A. (1929) University of California; Ph.D. (1932) Columbia University; M.A. (hon. 1949) Amherst College; Sc.D. (hon. 1950) Wesleyan University.

Sterling Power Lamprecht, *Emily C. Jordan Folger Professor of Philosophy, Emeritus.* B.A. (1911) Williams College; M.A. (1912) Harvard University; B.D. (1915) Union Theological Seminary; Ph.D. (1918) Columbia University; M.A. (hon. 1934) Amherst College; Litt.D. (1957) Williams College.

Karl Loewenstein, *William Nelson Cromwell Professor of Jurisprudence and Political Science, Emeritus.* B.L. (1914), D.C.L. (1919) University of Munich; M.A. (hon. 1940) Amherst College.

Albert Ernest Lumley, *Professor of Physical Education.* B.A. (1925) Eastern Michigan College; M.A. (1938) Oberlin College; M.A. (hon. 1947) Amherst College.

Ralph Cleland McGoun, Jr., *Professor of Dramatic Arts.* B.A. (1927), M.A. (1929) Amherst College.

Newton Felch McKeon, *Professor of English & Director of Robert Frost Library, Emeritus.* B.A. (1926) Amherst College.

Allison Wilson Marsh, *Professor of Hygiene and Physical Education, Emeritus.* B.A. (1913) Amherst College; M.Ed. (1925) Harvard University; L.H.D. (1963) Amherst College.

Charles Hill Morgan, *Professor of Fine Arts on the William R. Mead Foundation, Emeritus.* B.A. (1924), M.A. (1926), Ph.D. (1928) Harvard University; M.A. (hon. 1938) Amherst College; LL.D. (1960) University of Vermont.

Harold Henry Plough, *Edward S. Harkness Professor of Biology, Emeritus.* B.A. (1913) Amherst College; M.A. (1915), Ph.D. (1917) Columbia University; Sc.D. (1963) Amherst College.

6

Charles Ensign Rogers, *Professor of Fine Arts and Dramatic Arts, Emeritus.* B.A. (1927) Albion College; M.A. (1931) Columbia University; M.A. (hon. 1961) Amherst College.

Steven Martin Rostas, *Professor of Physical Education, Emeritus.* B.A. (1921) Br. Eötuös, Budapest; M.Ed. (1942) University of Massachusetts; M.A. (hon. 1961) Amherst College.

Edward Dwight Salmon, *Winkley Professor of History, Emeritus.* B.S. (1917) University of Rochester; M.A. (1923), Ph.D. (1934) Harvard University; M.A. (hon. 1938) Amherst College.

Anthony Scenna, *Professor of German.* B.A. (1927) Amherst College; M.A. (1929), Ph.D. (1937) Columbia University.

Oscar Emile Schotté, *Rufus Tyler Lincoln Professor of Biology, Emeritus.* B.S. (1920), Sc.D. (1925) University of Geneva; M.A. (hon. 1944) Amherst College.

Theodore Soller, *Professor of Physics, Emeritus.* B.A. (1922) Oberlin College; M.A. (1924), Ph.D. (1931) University of Wisconsin, M.A. (hon. 1946) Amherst College.

Atherton Hall Sprague, *Professor of Mathematics, Emeritus.* B.A. (1920) Amherst College; M.A. (1923), Ph.D. (1941) Princeton University.

George Rogers Taylor, *George D. Olds Professor of Economics, Emeritus.* Ph.B. (1921), Ph.D. (1929) University of Chicago; M.A. (hon. 1939) Amherst College.

Willard Long Thorp, *Professor of Economics, Emeritus.* B.A. (1920) Amherst College; M.A. (1921) University of Michigan; Ph.D. (1924) Columbia University; LL.D. (1935) Marietta College, (1949) Amherst College, (1950) Albright College, (1960) University of Massachusetts, (1960) University of Michigan.

Charles Hansen Toll, *Professor of Philosophy and Psychology, Emeritus.* B.A. (1904) Hamilton College; M.A. (1905) Harvard University; Ph.D. (1909) University of Freiburg; M.A. (hon. 1934) Amherst College.

Frederick King Turgeon, *Professor of French, Emeritus.* B.A. (1923) Bowdoin College; M.A. (1924), Ph.D. (1930) Harvard University; M.A. (hon. 1940) Amherst College.

Colston Estey Warne, *Professor of Economics, Emeritus.* B.A. (1920), M.A. (1921) Cornell University; Ph.D. (1925) University of Chicago; M.A. (hon. 1942) Amherst College.

Robert Byron Whitney, *George H. Corey Professor of Chemistry.* B.A. (1924), Ph.D. (1927) University of Minnesota; M.A. (hon. 1944) Amherst College.

Albert Elmer Wood, *Professor of Biology, Emeritus.* B.S. (1930) Princeton University; M.A. (1932), Ph.D. (1935) Columbia University; M.A. (hon. 1954) Amherst College.

LECTURER

Henry Steele Commager, *Simpson Lecturer in History.* Ph.B. (1923), M.A. (1924), Ph.D. (1928) University of Chicago; M.A. (hon. 1947) Cambridge University, (hon. 1952) Oxford University, (hon. 1957) Amherst College; Litt.D. (1958) Washington College, (1958) Ohio Wesleyan University, (1959) Monmouth College; Ed.D. (1960) Rhode Island College of Education; LL.D. (1960) Brandeis University, (1960) Michigan State University, (1962) Franklin and Marshall College; D.Litt. (1962) Cambridge University; L.H.D. (1962) University of Hartford, (1963) University of Puget Sound; Honorary Fellow, Peterhouse; D.C.L. (1964) Alfred University; LL.D. (1964) University of Pittsburgh; Litt.D. (1965) Marymount College; D.H.L. (1966) Carlton College; LL.D. (1967) Marietta College.

PROFESSORS

Hugh George Jeffrey Aitken, *Professor of Economics.* B.A. (1943), M.A. (1947) St. Andrews University; M.A. (1948) University of Toronto; Ph.D. (1951) Harvard University; M.A. (hon. 1966) Amherst College.

Ralph Everett Beals, *Professor of Economics.* B.S. (1958) University of Kentucky; M.A. (1959) Northwestern University; Ph.D. (1970) Massachusetts Institute of Technology.

Bruce Buzzell Benson, *Professor of Physics.* B.A. (1943) Amherst College; M.S. (1945), Ph.D. (1947) Yale University.

Norman Birnbaum,* *Professor of Sociology.* B.A. (1947) Williams College; M.A. (1951) Harvard University; M.A. (1960) Oxford University; Ph.D. (1958) Harvard University; M.A. (hon. 1969) Amherst College.

Walter Leroy Boughton, *Stanley King Professor of Dramatic Arts and Director of Kirby Memorial Theater.* B.A. (1941), M.A. (1949) Brown University; M.F.A. (1951) Yale University; M.A. (hon. 1964) Amherst College.

Robert Hermann Breusch, *Walker Professor of Mathematics.* Ph.D. (1932) University of Feiburg; M.A. (hon. 1954) Amherst College.

Gerald Patrick Brophy, *Professor of Geology.* B.A. (1951), M.A. (1953), Ph.D. (1954) Columbia University; M.A. (hon. 1968) Amherst College.

Lincoln Pierson Brower, *Professor of Biology.* B.A. (1953) Princeton University; Ph.D. (1957) Yale University; M.A. (hon. 1968) Amherst College.

Stephen Brown, *College Physician & Parmly Billings Professor of Hygiene.* B.A. (1928) Amherst College; M.D. (1932) Yale University.

John Arthur Cameron, *Professor of English.* B.A. (1952), M.A. (1957), Ph.D. (1963) Yale University; Diploma (1955) University of Edinburgh; M.A. (hon. 1970) Amherst College.

Jeffrey James Carre, *Professor of Romance Languages.* B.A. (1940) Bowdoin College; Ph.D. (1950) Columbia; M.A. (hon. 1964) Amherst College.

Richard John Cody, *Professor of English and College Librarian.* B.A. (1952) University of London (University College, Southampton); M.A. (1958), Ph.D. (1961) University of Minnesota; M.A. (hon. 1968) Amherst College.

Arnold Collery, *Professor of Economics.* B.A. (1950) University of Buffalo; Ph.D. (1958) Princeton University; M.A. (hon. 1964) Amherst College.

Haskell Robert Coplin, *Professor of Psychology.* B.A. (1947), M.A. (1948), Ph.D. (1951) University of Michigan; M.A. (hon. 1957) Amherst College.

George Armour Craig,‡ *Professor of English.* B.A. (1937) Amherst College; M.A. (1938), Ph.D. (1947) Harvard University.

Asa Davis, *Professor of History and Black Studies.* B.A. (1948) Wilberforce University; S.T.B. (1951), S.T.M. (1952), Ph.D. (1960) Harvard University.

*On leave 1971–72.
‡On leave second semester 1971–72.

Benjamin Haile DeMott, *Professor of English.* B.A. (1949) George Washington University; M.A. (1950), Ph.D. (1953) Harvard University; M.A. (hon. 1960) Amherst College.

Colby Wilson Dempesy, *Professor of Physics.* B.A. (1952) Oberlin College; M.A. (1955), Ph.D. (1957) Rice Institute; M.A. (hon. 1968) Amherst College.

Henry Frederick Dunbar, Jr., *Professor of Physical Education.* B.A. (1944) Amherst College; M.A. (1949) Teachers College, Columbia University; Ph.D. (1950) Columbia University.

Joseph Epstein, *Professor of Philosophy.* B.S.S. (1939) City College of New York; Ph.D. (1951) Columbia University; M.A. (hon. 1961) Amherst College.

Richard David Fink, *Professor of Chemistry.* A.B. (1958) Harvard University; Ph.D. (1962) Massachusetts Institute of Technology.

Richard Martin Foose, *Professor of Geology.* B.S. (1937) Franklin and Marshall College; M.S. (1939) Northwestern University; Ph.D. (1942) Johns Hopkins University; M.A. (hon. 1964) Amherst College.

Reginald Foster French,* *Professor of Romance Languages.* B.A. (1927) Dartmouth College; M.A. (1928), Ph.D. (1934) Harvard University; M.A. (hon. 1947) Amherst College.

Prosser Gifford, *Professor of History and Dean of the Faculty.* B.A. (1951) Yale University; B.A. (1953) Merton College, Oxford University; LL.B. (1956) Harvard Law School; Ph.D. (1964) Yale University; M.A. (hon. 1969) Amherst College.

Elmo Giordanetti, *Professor of Romance Languages.* B.A. (1951) Bowdoin College; M.A. (1954), Ph.D. (1959) Princeton University; M.A. (hon. 1968) Amherst College.

Joel Ethan Gordon, *Professor of Physics.* B.A. (1952) Harvard University; Ph.D. (1958) University of California; M.A. (hon. 1969) Amherst College.

Theodore Phinney Greene, *Professor of History.* B.A. (1943) Amherst College; M.A. (1948), Ph.D. (1970) Columbia University.

Allen Guttmann, *Professor of English.* B.A. (1953) University of Florida; M.A. (1956) Columbia University; Ph.D. (1961) University of Minnesota.

*On leave 1971–72.

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John Burt Halsted, *Professor of History.* B.A. (1949), M.A. (1949) Wesleyan University; Ph.D. (1954) Columbia University; M.A. (hon. 1966) Amherst College.

Edward Robert Harrison, *Professor, Five-College Department of Astronomy.* Fellow, Institute of Physics (England); Fellow, Royal Astronomical Society.

Hugh Dodge Hawkins, *Professor of History and American Studies.* B.A. (1950) DePauw University; Ph.D. (1954) Johns Hopkins University; M.A. (hon. 1969) Amherst College.

William Webster Heath,‡ *Professor of English.* B.A. (1951) Amherst College; M.A. (1952) Columbia University; Ph.D. (1956) University of Wisconsin.

William Michael Hexter,* *Professor of Biology.* B.A. (1949) University of California (Berkeley); M.A. (1951), Ph.D. (1953) University of California; M.A. (hon. 1966) Amherst College.

William Michael Irvine, *Professor, Five-College Department of Astronomy.* B.A. (1957) Pomona College; Ph.D. (1961) Harvard University.

Ernest Alfred Johnson,‡ *Professor of Romance Languages.* B.A. (1939) Amherst College; M.A. (1940) University of Chicago; M.A. (1941), Ph.D. (1950) Harvard University.

George Anthony Kateb,* *Professor of Political Science.* B.A. (1952), M.A. (1953), Ph.D. (1960) Columbia University; M.A. (hon. 1967) Amherst College.

William Elmer Kennick, *Professor of Philosophy.* B.A. (1945) Oberlin College; Ph.D. (1952) Cornell University; M.A. (hon. 1962) Amherst College.

Theodore Koester, *Professor of Psychology.* B.A. (1936) Wesleyan University; B.D. (1942) Hartford Theological Seminary; Ph.D. (1945) Columbia University; M.A. (hon. 1950) Amherst College.

Heinz Kohler,‡ *Professor of Economics.* B.A. (1956) Free University of Berlin; M.A. (1958), Ph.D. (1961) University of Michigan; M.A. (hon. 1969) Amherst College.

Allen Kropf, *Professor of Chemistry.* B.S. (1951) Queens College; Ph.D. (1954) University of Utah; M.A. (hon. 1969) Amherst College.

*On leave 1971–72.
‡On leave second semester 1971–72.

Earl Latham, *Joseph B. Eastman Professor of Political Science.* B.A. (1931), Ph.D. (1939) Harvard University; M.A. (hon. 1949) Amherst College.

Edward Renton Leadbetter,‡ *Professor of Biology.* B.S. (1955) Franklin and Marshall College; Ph.D. (1959) University of Texas; M.A. (hon. 1970) Amherst College.

Leo Marx, *William R. Kenan, Jr. Professor of English and American Studies.* B.S. (1941), Ph.D. (1949) Harvard University; M.A. (hon. 1959) Amherst College.

James Grenfell Mauldon, *Professor of Mathematics.* M.A. (1947) Oxford University; M.A. (hon. 1970) Amherst College.

Benjamin Franklin McCabe, *Professor of Physical Education.* B.A. (1946) Iowa State Teacher's College; M.A. (hon. 1964) Amherst College.

Maurizio Antonio Mirolli, *Visiting Professor of Biophysics.* Laurea (1954) Pisa University; Diploma (1956) Scuola Normale Superiore; Ph.D. (1963) Harvard University.

Henry George Mishkin, *Professor of Music.* B.A. (1931) University of California; M.A. (1937), Ph.D. (1938) Harvard University; M.A. (hon. 1954) Amherst College.

John Andrew Moore, *Class of 1880 Professor of the Classics.* B.A. (1938), M.A. (1940) Harvard University; M.A. (hon. 1958) Amherst College.

F(red) Bruce Morgan, *Professor of Religion.* A.B. (1939) Maryville College; Th.B. (1942), Th.D. (1958) Princeton Theological Seminary; M.A. (hon. 1963) Amherst College.

Lewis Seymour Mudge, *Professor of Philosophy & Religion.* B.A. (1951), B.D. (1955), Ph.D. (1961) Princeton University; B.A. (1954), M.A. (1958) Oxford University; M.A. (hon. 1970) Amherst College.

James Rodney Nelson, *Charles E. Merrill Professor of Economics.* B.A. (1936) Oberlin College; B.A. (1938) Oxford University; Ph.D. (1948) Harvard University; M.A. (hon. 1951) Amherst College.

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‡On leave second semester 1971–72.

John Pemberton, III, *Professor of Religion.* B.A. (1948) Princeton University; B.D. (1952), Ph.D. (1958) Duke University; M.A. (hon. 1967) Amherst College.

Murray Bisbee Peppard, *Professor of German.* B.A. (1939) Amherst College; M.A. (1942), Ph.D. (1948) Yale University.

Donald Stevenson Pitkin, *Professor of Anthropology.* B.A. (1947), M.A. (1950), Ph.D. (1954) Harvard University; M.A. (hon. 1966) Amherst College.

William Harrison Pritchard, *Professor of English.* B.A. (1953) Amherst College; M.A. (1956), Ph.D. (1960) Harvard University.

Robert Horton Romer, *Professor of Physics.* B.A. (1952) Amherst College; Ph.D. (1955) Princeton University.

Edwin Charles Rozwenc,‡ *Dwight W. Morrow Professor of American History.* B.A. (1937) Amherst College; M.A. (1938), Ph.D. (1941) Columbia University.

Carl Nelson Schmalz, Jr., *Professor of Fine Arts.* B.A. (1948), M.A. (1949), Ph.D. (1958) Harvard University; M.A. (hon. 1969) Amherst College.

Waltraut Carola Seitter, *Professor, Five-College Department of Astronomy.* M.A. (1955) Smith College; Ph.D. (1962) University of Bonn.

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John Donovan Strong, *Professor, Five-College Department of Astronomy.* B.A. (1926) University of Kansas; Ph.D. (1930) University of Michigan.

Dudley Herbert Towne, *Professor of Physics.* B.S. (1947) Yale University; M.A. (1949), Ph.D. (1953) Harvard University; M.A. (hon. 1964) Amherst College.

Frank Anderson Trapp,* *Professor of Fine Arts.* B.A. (1943) Carnegie Institute of Technology; M.A. (1947) University of Pittsburgh; Ph.D. (1951) Harvard University; M.A. (hon. 1963) Amherst College.

*On leave 1971–72.
‡On leave second semester 1971–72.

John William Ward, *Professor of History and American Studies and President of the College.* A.B. (1947) Harvard College; M.A. (1950), Ph.D. (1953) University of Minnesota; M.A. (hon. 1965) Amherst College.

Donald Owen White, *Professor of German.* B.A. (1953), M.A. (1956), Ph.D. (1963) Yale University; M.A. (hon. 1970) Amherst College.

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Henry Thomas Yost, Jr., *Professor of Biology.* B.A. (1947), Ph.D. (1951) The Johns Hopkins University; M.A. (hon. 1965) Amherst College.

Benjamin Munn Ziegler,* *Bertrand Snell Professor of Political Science.* B.A. (1928) New York University; LL.B. (1931), M.A. (1933), Ph.D. (1935) Harvard University; M.A. (hon. 1952) Amherst College.

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William Chase Taubman, *Assistant Professor of Political Science.* B.A. (1962) Harvard College; M.A. (1965), Ph.D. (1969) Columbia University.

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L(orimer) James Terrill, *Assistant Professor of Physical Education.* B.A. (1955) Occidental College; M.A. (1964) San Jose State College.

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Peter Alexis Valberg, *Assistant Professor of Physics.* A.B. (1964) Taylor University; M.A. (1966), Ph.D. (1969) Harvard University.

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Yves Carlet, *A.C.L.S. Visiting Fellow*
Professor Ernest Pollard, PH.D.
Professor J. C. A. Rathmell, *A.C.L.S. Visiting Fellow*
Professor Edward M. Jennings,
A.C.E. Visiting Administrative Fellow

ASSOCIATES

Timothy Mason, PH.D., *Chemistry*
Denise Watkins, Baccalauréat-ès-Lettres (Caen), *French*

RESEARCH ASSOCIATES

Lenette Rogers Atkinson, PH.D., *Biology*
Jane VanZandt Brower, PH.D., *Biology*
Virginia Dewey, PH.D., *Biology*
Philip Truman Ives, PH.D., *Biology*
Phyllis King, B.A., *Physics*
Mai Stoddard, M.A., *Chemistry*
Patrick Vidaud, PH.D., *Chemistry*
W. Gary Williams, PH.D., *Physics*

LANGUAGE ASSISTANTS

Claire Bougaín, *French*
Carlos Moreno Miranda, *Spanish*
Jacques Patron, *French*
Pierre Pevsner, *French*
Karl Track, *German*

FACULTY COMMITTEES

Committee of Six. President Ward (Chairman, *ex officio*), Dean Gifford (Secretary, *ex officio*), Professors Beals, Epstein, Greene, Levin, B. Morgan, and Towne.

Committee on Educational Policy. Professors Dizard, Kennick, Ratte, Townsend, and Yost; Kenneth Hoxsie '72, Stephen Kessell '72, and a third student to be elected.

College Council. Dean Reed (Secretary), Dean Ward, Professors Kuntz, Romer (Chairman), Sofield, and Taubman. Julian Decyk '73, Mark G. Miliotis '72, and Neil Sullivan '74.

Committee on Priorities and Resources. President Ward, Dean Gifford, Professors Collery, Gordon (Chairman), and Pritchard; Mr. Hertzfeld. David Brown '73 and Joseph H. Hartzler '72.

Judicial Board. Professors Arkes, Carre (Chairman), and Kennick. Scott McGill '73 and Richard C. Wailes '72.

Committee on Admission and Scholarships. President Ward (Chairman), Deans Behnke, O'Daniel, Routh, and Wall (Secretary), Professors Cheyette, Chickering, Denton, and Weary. John R. Beeson '71, Mayo-Smith Fellow; Jon Heller '72 and Wayne Wormley '72.

Computer Committee. Professors Breneman, Cheyette, Dempesy, Grose, Hadlock, Mauldon, and Silver; Anthony K. Wingo '73.

Fellowship Committee. Deans Gifford (Chairman) and Routh (Secretary), Professors Cameron, Latham, Pemberton, and Yost.

Committee on Field Study. Dean Gifford and Professors Brower, Hawkins (Chairman), and Peterson.

Committee on Guidance and Counseling. Dean Ward (Chairman), Dr. Stephen Brown and Dr. Robert May, Deans Littlefield, Reed, and Routh, Professors Coplin, Fischer, and Mishkin and a religious advisor.

Committee on Honorary Degrees. Professors Latham (Chairman), Mishkin, and Towne.

Committee on Independent Study. Dean Gifford, Professors Aitken, De-Mott, and Pitkin.

Committee on Intercollegiate Athletics. President Ward (Chairman), Dean Gifford, Professors McCabe, Mehr (Secretary), Thurston, Valberg, and Zimmerman.

Committee on Interdisciplinary and Special Studies. Dean Gifford, Professors Dempesy, J. Moore, and Petropulos.

Language Advisory Board. Dean Reed, Professors Carre and Towne.

Lecture Committee. Professors Bierman, Breneman, Mudge (Chairman), and E. Ryerson.

Library Committee. Professors Babb, Cody (*ex officio*), Fischer, J. Moore, Pritchard, and Sargent; Mr. Laugher (*ex officio*). Thomas W. Blackwell '72 and Michael E. Washington '74.

Lucius R. Eastman Fund Committee. Professors Belt, Pemberton (Chairman), and Wheelock.

Fellows

James Charles Albisetti '71, *Henry P. Field Fellow in European History.* Yale University.

William Philip Alford '70, *John Woodruff Simpson Fellow in Law and Jurisprudence* and *Amherst Memorial Fellow for the study of Chinese.* St. John's College, Cambridge, England.

Jonathan Louis Alper '71, *Roland Wood Fellow in Theater.* The Webber Douglas Academy of Dramatic Art, London, England.

Terry Leland Andrews '71, *Henry P. Field Fellow in English* and *Amherst Memorial Fellow in English.*

William Lee Battema '70, *John Woodruff Simpson Fellow in Medicine.* University of Rochester.

Richard Frank Bedard '71, *Edward Hitchcock Fellow in Education.* University of Massachusetts.

James Evan Boicourt '69, *John Woodruff Simpson Fellow in Law.* Georgetown University.

James Edward Bowlus '70, *John Woodruff Simpson Fellow in Law.* Harvard Law School.

James Julius Brudney '71, *Forris Jewett Moore Fellow in Law.*

Bruce Scott Butterfield '71, *Amherst Memorial Fellow* and the *Warner Gardner Fletcher Fellow in Education.* Harvard School of Education.

Michael Ian Campbell '67, *Edward Poole Lay Fellow in Musical Performance.* Peabody Conservatory.

Michael Davis Colglazier '70, *John Woodruff Simpson Fellow in Law.* University of Virginia School of Law.

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Thomas Gebhard DeWitt '71, *John Woodruff Simpson Fellow in Medicine.* University of Rochester Medical School.

William Jay Eisen '70, *John Woodruff Simpson Fellow in Law.* Harvard Law School.

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Thomas Park Gilliss '70, *John Woodruff Simpson Fellow in Law.* Catholic University School of Law.

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Nathaniel Reed, *Assistant Dean.* B.A. (1955), Ph.D. (1964) Yale University.

Donald McMillan Routh, *Assistant Dean.* B.A. (1958) Amherst College; M.A.T. (1960) Johns Hopkins University.

Henry Miller Littlefield, *Assistant Dean.* B.A. (1954), M.A. (1959), Ph.D. (1967) Columbia University.

Richard M. O'Daniel, *Assistant Dean.* B.A. (1968) Lincoln University.

John Robinson Beeson, *Assistant to the Dean of Admission; Graduate Fellow on the Mayo-Smith Teaching Grant.* B.A. (1971) Amherst College.

Robert Freeman Grose, *Registrar.* B.A. (1944), M.S. (1947), Ph.D. (1953) Yale University; M.A. (hon. 1970) Amherst College.

Kurt Maximilian Hertzfeld, *Treasurer.* B.A. (1941), M.B.A. (1942) Harvard University; M.A. (hon. 1969) Amherst College.

Thomas Alvan Weber, *Assistant to the Treasurer.* B.A. (1967), M.B.A. (1969) Harvard University.

George Burnham May, *Comptroller and Assistant Treasurer.* B.A. (1946) Amherst College.

Richard Edward Green, *Assistant Comptroller.* B.B.A. (1966) Western New England College.

Paul Jerome Plourde, *Director, Computer Center.* B.A. (1962) University of New Hampshire; M.A. (1967) Northwestern University.

David Frederick Howland, *Personnel Officer.* B.A. (1950) Hofstra University.

John Lewis Callahan, Jr., *Director of Development.* B.A. (1955) Dartmouth College; M.A. (hon. 1970) Amherst College.

James Alfred Guest, *Secretary to the Committee on Deferred Gifts and Bequests.* B.A. (1933), L.H.D. (1971) Amherst College; LL.B. (1936) Yale University.

Frederic John Gardner, *Secretary of the Alumni Council.* B.A. (1949) Amherst College.

Timothy Woodhouse Armour, *Graduate Fellow in the Alumni Office.* B.A. (1970) Amherst College.

Horace Wilson Hewlett, *Secretary of the College and Director of Publications.* B.A. (1936) Amherst College; M.A. (1941) Yale University.

Winthrop Hiram Smith, Jr., *Assistant to the Secretary of the College; Graduate Fellow on the Ives Washburn Grant.* B.A. (1971) Amherst College.

Otis Cary, *Director of Amherst House, Doshisha University.* B.A. (1946) Amherst College; M.A. (1951) Yale University.

William August Mueller, *Director of Physical Plant and Services.* B.Aero.E. (1942), B.C.E. (1952) Rensselaer Polytechnic Institute.

Walter Charles Markert, *Assistant Director of Physical Plant and Services.* B.S. (1931) Springfield College.

William Maurice Golding, *Director of Valentine Hall.*

Benjamin Franklin McCabe, *Director of Intercollegiate Athletics.* B.A. (1946) Iowa State Teacher's College; M.A. (hon. 1964) Amherst College.

Robert May, *Clinical Psychologist.* B.A. (1962) Wesleyan University; M.A. (1965), Ph.D. (1969) Harvard University.

Stephen Brown, *College Physician.* B.A. (1928) Amherst College; M.D. (1932) Yale University.

Sanford Bloomberg, *Associate College Physician.* B.A. (1950) University of Vermont; M.A. (1951) Columbia University; M.D. (1957) University of Vermont College of Medicine.

Daniel Phillip Schwartz, *Associate College Physician.* B.A. (1949), M.D. (1952) University of Minnesota.

Thomas Clifford Wilson, *Associate College Physician.* B.A. (1950) West Virginia University; M.D. (1960) Medical College of Virginia.

Carl Arthur Francis, *Graduate Fellow in the Pratt Museum.* B.A. (1971) Amherst College.

MEAD ART BUILDING

Frank Anderson Trapp, PH.D., *Director*

THE ROBERT FROST LIBRARY

Richard John Cody, PH.D., *Librarian of the College*

Charles Theodore Laugher, PH.D., *Director of Robert Frost Library*

———

Claire Holst, B.A., M.S. in L.S., *Order Librarian*

Floyd Samuel Merritt, M.A., S.M., *Reference Librarian*

J. Richard Phillips, B.A., M.A., *Special Collections Librarian*

Gertrude Burgess Weir, B.A., S.M., *Head of Circulation*

S. Joy Williams, B.A., M.A. in L.S., *Chief Cataloguer*

———

Elinor Richards, B.A., A.M.L.S., *Senior Cataloguer*

Nancy Hathaway Buck, B.A., M.S. in L.S., *Science Librarian*

Hertha Banfield, *Serials Librarian*

Eleanor Brown, B.A., M.S. in L.S., *Assistant Reference Librarian*

Carol Porter Baldwin, *Cataloguer*

Mary Elizabeth Beattie, B.A., M.L.S., *Cataloguer*

Mary McFeely, B.A., M.S. in L.S., *Assistant Reference Librarian*

KIRBY MEMORIAL THEATER

Walter Leroy Boughton, M.F.A., *Director*

Eugene Warner, M.F.A., *Designer*

THE PRATT MUSEUM OF GEOLOGY

Gerald Patrick Brophy, PH.D., *Curator*

Edward S. Belt, PH.D., *Associate Curator*

COMPUTER CENTER

Paul J. Plourde, B.A., M.A., *Director*

Clela B. Reeves, B.A., M.A., *Systems Analyst*

David Hornfischer, B.A., *Systems Analyst*
David B. Cernak, B.A., *Systems Analyst*
James F. Oeky, B.A., *Programming Supervisor*
Elizabeth Steele, B.S., *Academic Computer Coordinator*

AMHERST COLLEGE WILDLIFE SANCTUARY

Walter Charles Markert, B.S., *Director*

MABEL LOOMIS TODD FOREST

Lincoln Pierson Brower, PH.D., *Curator*

RELIGIOUS ADVISORS

The Rev. James Clark, B.D.
Advisor to Protestant Students

The Rev. Charles R. Farrell, B.D.
Advisor to Protestant Students

The Rev. Richard E. Koenig, B.D., S.T.M.
Advisor to Protestant Students

The Rt. Rev. Monsig. David J. Power, B.A.
Advisor to Roman Catholic Students

The Rev. J. Joseph Quigley, B.S.
Advisor to Roman Catholic Students

Rabbi Yechiael Lander, B.A., B.H.L, M.A.
Advisor to Jewish Students

STUDENT HEALTH SERVICE

Mary Margaret Barkowski, R.N.
Supervisor of Student Health Office

Marjorie Ruth Crossman, R.N.
Assistant Supervisor of Student Health Office

Helen Bolt Stimson, R.N.
Supervisor of the Infirmary

FIVE-COLLEGES INCORPORATED

North Burn, PH.D., *Five-College Co-ordinator*
Dean Prosser Gifford, *Amherst College Deputy*

II

AMHERST COLLEGE

ADMISSION

REGULATIONS

TUITION AND FEES

FINANCIAL AID

DEGREE REQUIREMENTS

INTELLECTUAL RESPONSIBILITY

Kirby Memorial Theater

Amherst College

A MHERST was founded in 1821 as an independent liberal arts college for "the education of indigent young men of piety and talents for the Christian ministry." It has never been connected, however, with any church or sect. Its charter, granted by the Commonwealth of Massachusetts in 1825, bans tests of religion in choosing students and teachers.

Among Amherst's founders were Noah Webster, the lexicographer, and Samuel Fowler Dickinson, grandfather of the poet Emily. The College received its initial support from many residents of the town from which it takes its name. (The town, which was incorporated in 1759, was named for General Jeffery Amherst, then Commander-in-chief of British forces in the New World and protector of the colonies in the French and Indian War.) The College has enjoyed a long and close association with the community, particularly with such poets and writers as Emily Dickinson, Helen Hunt Jackson, David Grayson (Ray Stannard Baker), and Robert Frost.

The campus is situated on a hill adjacent to the central town common. The surrounding area is characterized by apple orchards and tobacco farms lying on the flat, fertile land of the Connecticut River Valley and by ranges of hills to the south and east. Nearby are towns and places whose names recall another age in the life of New England: Deerfield and Bloody Brook, Pelham and Daniel Shays Highway, Northampton and Jonathan Edwards' Church. A few miles away are four other institutions of higher learning: Hampshire, Smith, and Mount Holyoke Colleges, and the University of Massachusetts with which Amherst engages in a number of cooperative educational ventures. (These are described on page 38.)

The College offers the bachelor of arts—and occasionally the master of arts—degree. It is concerned with study in the humanities, the social sciences, and the natural sciences and attempts to combine a broad education with knowledge of some field in depth. A new curriculum, adopted in the fall of 1966, introduces three one-semester interdepartmental courses (called Problems of Inquiry), and provides considerable flexibility in the selection of each student's program. Freshmen may select a major field of study on entrance; exceptionally qualified students may satisfy graduation requirements in three years; some may engage in independent study free of formal courses in their junior and senior years; honors work—the intensive consideration of a limited subject—is encouraged.

Whatever the form of academic experience—lecture course, seminar, conference, studio, laboratory, independent study at various levels—intellectual competence and awareness of problems and methods are the goal of the

Amherst program, rather than the direct preparation for some profession. The new curriculum enables students to arrange programs for their own educational needs within established requirements. To assist undergraduates in their course selections a faculty Board of Advisors, representing all academic departments, has been created. Members of this Board provide such counsel as is requested, but the ultimate responsibility for a thoughtful program of study rests with the individual student.

All students subscribe to an honor code which makes them responsible for the intellectual integrity of their work. This is described on page 61.

A statement of graduation requirements and programs of study begins on page 54. A more detailed description of the curriculum may be obtained from the Office of Admission.

The College's faculty is engaged in two primary activities: first, the education of undergraduates, and, second, research and writing. Its 150 members hold degrees from colleges and universities throughout this country and abroad. Classes range in size from a lecture course of 150 to several courses of only two students; about 80 percent of the classes and sections have twenty-five students or less.

Amherst is equipped with considerable physical resources: a library of some 438,900 volumes, science laboratories, theater, gymnasium, swimming pool, skating rink, squash and tennis courts, playing fields, a museum of fine arts and another of natural sciences, a central dining hall where all students eat, dormitories, language laboratory, and classroom buildings. There are a wildlife sanctuary and a forest for the study of ecology, an observatory and planetarium, a computer center, and varied equipment for specialized scientific research. At Amherst, and at its neighboring institutions, there are extensive offerings of lectures, concerts, plays, films, and many other events. The College's endowment is approximately $57 million (book value).

In the last few years Amherst has increased its enrollment from 1,000 to approximately 1,200 students. To accommodate these additional undergraduates and to provide improved facilities the College has constructed a new dining hall, five new dormitories, and the Robert Frost Library. New buildings for science and music were completed in 1968, and an auditorium and expanded athletic facilities are being planned.

Amherst has a full program of intercollegiate athletics in most sports. Every freshman and sophomore is required to take part in a program of physical education to improve his fitness and allow him to participate in team and recreational sports. In addition, about 90 percent of the students participate in an organized program of intramural athletics.

Undergraduates may also take part in a variety of other extra-curricular activities: journalism, publishing, broadcasting, music, dramatics, and a wide assortment of specialized interests. Religious groups, working independently or through the religious advisors, maintain a program of worship services, Bible study, community service projects, and other activities.

Many Amherst students join one of the twelve social fraternities at the end of their freshman year. These organizations provide housing for many of their members and are the focus of social life after the first year. Since 1946 the fraternities have selected their members without consideration of race or religion, and since 1951 every student who has wanted to join a fraternity has had the opportunity to do so.

As the campus has grown so has the College's involvement with the world. In 1821 most students came to Amherst from nearby towns intending to become ministers or missionaries. Facilities were simple; for three years South College was Amherst's only building, housing dormitory, library, and classrooms. Today students come from most of the fifty states and many foreign countries and bring with them backgrounds and interests far different from those of the "indigent young men of piety and talents" who preceded them nearly a century and a half ago.

Instruction still adheres to the liberal arts and sciences, but world forces are now felt in the classroom and out. Modern transportation and communication have changed what was once a sleepy little New England village into a growing center of activity and concern. Involvement in research or social and economic issues takes some students to many parts of the country and abroad—as it does most of their teachers as well. Civil rights issues and national policies have an impact on the campus that would have been unimaginable even a generation ago. Graduates for the most part continue their formal education to become teachers, physicians, lawyers, and businessmen. At Amherst, hopefully, they will have only begun their education at "commencement," but will have developed attitudes and values that will encourage them to participate thoughtfully and generously in the service of mankind.

THE INTERTERM

The January Interterm is a four-week period between semesters free from the formal structures of regular classes, grades, and academic credit. It is, in essence, a time when each student may undertake independent study in a subject or area to which he might not have access during the normal course of the year.

A student may center his activities on the campus or elsewhere as he chooses. He may read, write, paint, compose, or inquire into some question or concern as his inclination, ingenuity, and resources permit. He may wish to explore further or more deeply a subject which has aroused his curiosity or about which he wishes to know more. He may also, if a teacher agrees to assist him, seek guidance from or work with a member of the faculty and other students in a joint endeavor.

The purpose of the Interterm is to remove, for four weeks, the constraints that prevail during normal class work and permit students to adjust their

inquiry to their own interests and capabilities. With this freedom each student assumes the responsibility of using his time to his best advantage and of increasing his understanding of himself and of his educational and social environment.

PRESIDENTS OF AMHERST COLLEGE

1821–1823   Rev. Zephaniah Swift Moore, D.D.

1823–1845   Rev. Heman Humphrey, D.D.

1845–1854   Rev. Edward Hitchcock, D.D., LL.D.

1854–1876   Rev. William Augustus Stearns, D.D., LL.D.

1876–1890   Rev. Julius Hawley Seelye, D.D., LL.D.

1890–1899   Merrill Edwards Gates, PH.D., LL.D., L.H.D.

1899–1912   Rev. George Harris, D.D., LL.D.

1912–1924   Alexander Meiklejohn, PH.D., LL.D.

1924–1927   George Daniel Olds, LL.D.

1927–1932   Arthur Stanley Pease, PH.D., LL.D.

1932–1946   Stanley King, LL.D.

1946–1960   Charles Woolsey Cole, PH.D., L.H.D., SC.D., LITT.D., LL.D.

1960–1971   Calvin Hastings Plimpton, M.D., SC.D., D.M.S., L.H.D., LITT.D., LL.D.

1971–   John William Ward, PH.D.

FIVE COLLEGE COOPERATION

Amherst has an arrangement with Mount Holyoke College, Smith College, Hampshire College and the University of Massachusetts by which any of their regular courses is, under special circumstances, open to Amherst students. See page 59 for further information.

The oldest cooperative venture is the Hampshire Inter-Library Center (HILC) located now in the Goodell Library at the University. HILC, a separate legal entity, is a depository for research materials and learned journals which are beyond the reach of any of the five libraries operating independently. An FM radio station (WFCR, 88.5 mc.) is run cooperatively through the Western Massachusetts Broadcasting Council composed of representatives of the five institutions. Other cooperative activities include a joint Astronomy Department; courses in the History of Science and in Asian-African studies; a Ph.D. program; a common calendar of events; a committee on transportation; a registry of part-time workers; and a Coordinator for cooperative projects.

NORTH BURN, PH.D., *Coordinator*

The Folger Shakespeare Library

THE FOLGER SHAKESPEARE LIBRARY in Washington, D.C., was established by the will of Henry Clay Folger, of the class of 1879. Mr. Folger's original collection, which remains the nucleus of the Library's holdings, emphasized Shakespeare, Shakespeare's contemporaries, and the history of Shakespeare production. Continuing acquisitions of books and manuscripts have increased the size of the collection many times over and broadened the scope of the Library to include every phase of Tudor and Stuart civilization. At present the Library is second only to the British Museum in its holdings of books printed in England between 1475 and 1640. Its holdings in the period from 1640 to 1715 in materials relating to the Continental Renaissance, and in such specialized areas as Renaissance musicology and drama are also extensive.

Facilities include reading room, stacks, offices, and service areas for such activities as ordering, cataloging, binding, and photoduplication. In addition, the Library has a public exhibit hall and a theatre embodying characteristics of an Elizabethan playhouse.

In his will, Mr. Folger spoke of an institution "for promoting and diffusing knowledge." The Library has sought continuously since its creation to enlarge its educational function. Its reading room is open to all qualified scholars. Through its photoduplication department and its travelling exhibits it provides services for scholars and school groups outside of the Washington area. The Folger Fellowship program offers senior, short-term, and dissertation year fellowships to both foreign and American scholars. Folger seminars are offered annually in cooperation with the consortium universities of the Washington area and are also open to qualified Amherst students. A program of lectures, concerts, and cultural events is held at the Folger theatre and open to the general public without charge. A publication program further contributes to the Library's objective of "diffusing knowledge" of Shakespeare, of English culture, and of the Renaissance.

FOLGER LIBRARY OFFICERS

O. B. Hardison, Jr., PH.D., *Director*

Philip A. Knachel, M.S.L.S., PH.D., *Associate Director*

Richmond Crinkley, PH.D., *Director of Programs*

Richard J. Schoeck, M.A., P.HD., *Director of Research Activities*

Dorothy E. Mason, B.A., M. A., *Reference Librarian*

Lilly C. Stone, B.A., *Chief Cataloguer*

Sandra Powers, B.A., *Reading Room Supervisor*

Elizabeth Niemyer, B.A., M.A., *Acquisitions Librarian*

Megan Lloyd, B.A., *Executive Editor*

Doshisha University

DOSHISHA UNIVERSITY in Kyoto, Japan, was founded by Joseph Hardy Neesima, of the Class of 1870, the first Japanese to graduate from a Western institution of higher learning. Amherst has maintained a continuing and close relationship with Doshisha. More than twenty-five Amherst graduates have taught there, and, since 1922, Amherst has maintained a resident instructor at the Japanese university. Amherst House, a New England Georgian style residence, was built on the Doshisha campus in 1932 as a memorial to Neesima. It houses some twenty Doshisha students and serves as a center for cultural exchange between students and faculty from East and West.

Since World War II, Amherst has maintained a member of its own faculty for permanent service at Doshisha as a Professor in Residence and Director of Amherst House. Recently he has been aided by an Amherst-Doshisha Fellow on a yearly assignment. In 1962 the College, through the further generosity of friends and alumni, was enabled to build a new guest house of modern Japanese design which affords quarters for the director, well-appointed guest suites, and dining facilities to enhance the possibilities of exchange across cultural barriers. As the importance of Eastern ideas and Asian cultures gains increasing recognition, Amherst House is able to provide unique facilities and a sympathetic environment for scholars visiting Kyoto—for a thousand years the capital of Japan and still the center of traditional Japanese culture.

Admission

ADMISSION to Amherst College is highly competitive. The College attempts to select those applicants who seem qualified to benefit from the educational opportunities offered. The Committee on Admission, in judging the qualifications of applicants, pays particular attention to (1) academic achievements; (2) results of the College Entrance Examination Board scholastic aptitude and achievement tests; (3) the recommendation of the college counselor; (4) evidence of curiosity, industry, and resolution; (5) the character, health, and extra-curricular interests and achievements of the applicant. All freshmen admitted are candidates for the Bachelor of Arts degree.

In compliance with the Fair Educational Practices Act of the Commonwealth of Massachusetts, the College requests that applicants *not* provide data on race, religion, and place of origin and that they *not* include a photograph. No student is denied admission to Amherst because of race, religion or place of origin.

HOW AND WHEN TO APPLY FOR ADMISSION

Applications should be filed in senior year between September 1 and March 1. Decisions of the Committee on Admission will be mailed to candidates about mid-April.

Students with exceptional ability and maturity who have outrun the educational opportunities of their communities may apply for admission after three years of secondary school.

Amherst has an Early Decision Program for students who have selected Amherst as the college of their choice. Details are available with the application form.

Beginning students usually enter only in September.

Financial Aid applicants should refer to pages 51–53.

The formal application should be accompanied by a check or money order for $15.00 made payable to *Amherst College*. This application fee will not be refunded if the student withdraws his application or if his application is not acted upon favorably.

Correspondence regarding admission to the freshman class should be addressed to the Dean of Admission, Amherst College, Amherst, Massachusetts 01002.

INTERVIEW HOURS

The Admission Office is open weekdays from 8:30 A.M. until 12:00 noon and 1:30 P.M. until 4:00 P.M. and on Saturdays from 8:30 A.M. until 12:00

noon, but from Commencement in June until after Labor Day, the Admission Office (and all administrative offices) will be closed on Saturdays. Whenever possible, applicants for admission are advised to visit the College and discuss their educational plans with an admission officer. Interviews are not required, however. It is advisable to telephone well in advance for an appointment with an admission officer if you plan to visit the College.

RECOMMENDED PREPARATION

The following minimum program for studies is recommended for students planning to enter Amherst College:

English	4 years
Mathematics	3 years
Foreign Language	2 years (3 or 4 years of one preferred)
History	1 year
Laboratory Science	1 year

It should be noted that the College stresses sound preparation in certain subjects which are important implements for the many branches of college work. English, mathematics (intermediate mathematics, emphasizing basic algebraic, geometric, and trigonometric concepts and deductive reasoning), and foreign language (ancient or modern or both) are the subjects in which entering students should show proficiency.

In selecting a class, some preference is given to candidates who present the following programs in foreign language in the following order:

First preference: four years of one language;
Second preference: three years of one language;
Third preference: two years each of two languages.

Candidates who apply from secondary schools which offer little or no language instruction will be judged by their other intellectual aptitudes and achievements and their readiness for the Amherst curriculum.

Students with particular interests may wish to modify the suggested program by taking more work in certain subjects and less in others. Such modification is wholly acceptable, provided there is evidence of adequate preparation in the basic fields of English, mathematics, and foreign language. Any deviation should be discussed in advance with the Dean of Admission.

ADVANCED PLACEMENT

Advanced Placement is offered to accepted candidates who present evidence, through school records and test scores, that their previous learning experience in a subject will be duplicated in an introductory course at Amherst. Inasmuch as it is possible for exceptional students to graduate in three years, no credit is awarded for Advanced Placement. Each case will be con-

sidered individually on its own merit. Candidates interested in Advanced Placement are urged to take the Advanced Placement Tests given by the College Entrance Examination Board. Questions about Advanced Placement should be directed to the *Dean of Admission*. For further information candidates should consult the Advanced Placement booklet in their secondary school guidance office.

COLLEGE BOARD TESTS

All applicants for admission are required to take *either* the Scholastic Aptitude Test (SAT) and any three Achievement Tests of the College Entrance Examination Board, *or* the American College Testing Program (ACT) no later than January of senior year for the former and no later than December of senior year for the latter. Inasmuch as the registration deadline for both the CEEB and ACT tests is approximately one month prior to the test date, applicants should arrange to take these examinations as soon as possible with the Secretary of the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540. Students living in Arizona, Arkansas, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oklahoma, Oregon, Texas, Utah, Washignton, Wyoming, Alaska, or Hawaii should register with the Secretary of the College Entrance Examination Board, Box 1025, Berkeley, California 94701. For information about ACT tests, write ACT, P.O. Box 168, Iowa City, Iowa 52240.

Amherst College will continue to maintain the standard of comprehension in foreign languages as set for students by the foreign language departments and approved by the Faculty. This standard may be met by entering students who have made a score of 600 on the CEEB Foreign Language Achievement Test if they are studying an ancient language, or a similar score on the new Composite Listening-Reading Achievement Test if they are studying a modern language. The latter test is given only once a year in May.

Applicants in military service whose location makes examinations impossible are exempt from CEEB tests.

Regents Examinations. Applicants from the New York State public schools are expected to submit scores made on the Regents Examination in addition to the scholastic aptitude and achievement tests given by the College Entrance Examination Board.

ADMISSION AS A TRANSFER

To be eligible for consideration as a transfer a candidate must meet the following requirements:

1. His credits must satisfy the full entrance requirements of Amherst College.

2. He must have completed creditably the work of at least one year in an institution of collegiate rank or two years in a junior or community college.

3. He must present a statement of honorable dismissal.

4. He must file a formal application for admission by transfer.

Candidates for admission by transfer are usually admitted in September.

Candidates should note that, in general, only students with a B average or better will be considered for admission as transfers.

Special consideration is given applicants from junior or community colleges who have made distinguished academic records.

Some financial aid is available for transfer students.

Correspondence concerning admission of transfers should be addressed to the Dean of Admission.

COOPERATIVE ENGINEERING-SCIENCE PROGRAM

In order to facilitate the combination of a liberal arts course with education in science and engineering, Amherst College will permit a student of high standing to pursue a five-year program in which the first three years will be spent at Amherst College and the last two years at the Massachusetts Institute of Technology, or any other engineering school approved by the Dean of the College, with the understanding that if the five-year program is satisfactorily completed the student will receive the degree of Bachelor of Arts from Amherst College and the degree of Bachelor of Science from the engineering school.

Regulations

TERMS AND VACATIONS

The college year 1971-72 includes two regular semesters, the first with thirteen weeks and the second with fourteen weeks of classes. In the fall semester there is a Thanksgiving recess of one week. After the Christmas recess, there is a January Interterm of approximately four weeks. In the spring semester there is a vacation of one week.

All official college vacations and holidays are announced on the College Calendar appearing at the beginning of this catalog.

ATTENDANCE AT COLLEGE EXERCISES

It is assumed that students will make the most of the educational opportunities available by regularly attending classes and laboratory periods. At the beginning of the semester, each instructor is free to state his policy with regard to absences in his course. Thereafter, he may take such action as he deems appropriate, or report to the Dean of Students the name of any student who disregards the regulations announced.

The Registrar will send to faculty members a list of students who have been absent for athletic trips or other extra-curricular activities, and a list of students who have been in the Infirmary. Students are asked to notify the Office of the Dean of Students if they have been delayed at home by illness or family emergencies. They are also requested to report any unusual or unexplained absence from the College on the part of any fellow student.

If a student has been attended at home by a physician, he should, on the day of his return, report the absence to the Office of the Dean of Students and submit a statement concerning his illness and any recommended treatment to the Student Health Office. Students who are ill at College will normally be attended at the Infirmary or the Student Health Office. It is assumed that all students not admitted to the Infirmary or excused by the attending physician are well enough to attend their regular classes.

The responsibility for any work missed due to an illness or other absence rests entirely upon the student.

The College maintains a Physical Education requirement, and for that purpose the academic year is divided into three units, fall, winter, and spring. Each freshman is expected to complete three units of physical education participation during his first year, and if a student fails to do so, he will be required to make up his deficiency during his upper class years. During the sophomore year students are expected to participate in an indi-

vidually structured physical education program which is devised by the student himself and is supervised by a member of the department.

STUDENT CONDUCT

It is the belief of Amherst College that its students want to take responsibility for setting, maintaining, and supporting moral and intellectual standards. Those standards are assumed to be ones which befit the conduct of a gentleman and which will reflect credit on the College, its students, and its guests.

The College reserves the right to exclude at any time students whose conduct or academic standing it regards as unsatisfactory; in such cases fees will not be refunded or remitted, in whole or in part, and neither the College nor any of its officers shall be under any liability whatsoever for such exclusion.

RECORDS AND REPORTS

Grades in courses are reported in three categories:

Honor Grades = A+, A, A—, B+, B, B—
Passing Grades = C+, C, C—, D.
Failing Grade = F.

Term averages and cumulative averages are reported on a 14-point scale rounded to the nearer whole number. The conversion equivalents are: A+ = 14, A = 13, A— = 12; B+ = 11, B = 10, B— = 9; C+ = 8, C = 7, C— = 6; D = 4; F = 1.

Grade reports for D and F grades only will be sent to students after the end of the seventh week of classes each semester. Parents of freshmen will also receive grade reports for D and F grades after the first seven weeks of each semester. Reports for all grades and averages will be sent at the end of each semester.

The academic records and averages of Amherst College students completing Five-College Interchange courses at Hampshire College, Mount Holyoke College, Smith College and the University of Massachusetts will include these courses and grades; no separate transcripts are maintained at the other institutions for Amherst College students.

"Rank in class" will not be used, but transcripts and grade reports will be accompanied by a profile showing the distribution of cumulative averages for students of the same class level in the current and in the previous two years.

Student academic records are maintained by the Registrar's Office and are confidential; information is released only at the request of the student or of appropriate institutions. Students are advised that their records are made available to their secondary schools and to certain legitimate, research

agencies such as the National Registration Office. Partial transcripts are not issued; each transcript must include the student's complete record at Amherst College to date. An official transcript carries an authorized signature as well as the embossed seal of Amherst College.

Transcripts of credit earned at other institutions, which have been presented to Amherst College for admission or transfer of credit, become a part of the student's permanent record and are not issued, reissued or copied for distribution. With the exception of Five-College Interchange courses, grades for courses that were transferred from other institutions are not recorded; credit only is listed on the Amherst transcript. Transcripts for all academic work at other institutions of higher education should be requested directly from those institutions, including summer schools.

EXAMINATIONS

Examinations are held at the end of each semester and at intervals in the year in all courses. At the end of each semester, final grades are reported and the record for the semester is closed. No extension of time is allowed for intra-term examinations and incomplete laboratory work beyond the date of the last scheduled class period of the semester, unless exception is granted by the Dean of Students. No extension for essays, themes, theses, and reports will be given beyond the last day of classes of the semester.

A student who is prevented by illness from attending a semester examination may be granted the privilege of a special examination by the Dean of Students, who will arrange the date of the examination with the instructor. There are no second or make-up semester examinations, unless a student is prevented by illness from taking such an examination at the scheduled time.

No semester examination may be taken before the scheduled time. A semester examination may be postponed only by approval of the Dean of Students.

DELINQUENCIES

At the midpoint and end of each semester, the cases of all students whose work is unsatisfactory are brought before the Deans for consideration. Those who have clearly shown their unfitness for college work are dismissed from the College. Others whose records are unsatisfactory are placed on scholastic probation.

Students belonging to one or more of the following groups may not expect to continue at Amherst College:

    a. Those who in any semester are failing in two or more courses. Withdrawal from a course while failing it shall count as a failure.*

*c.f. Degree Requirements, page 54, section 1.

b. Those who in any semester fail a course and receive an average of less than 7 in courses passed.*

c. Those who in any semester pass all courses but receive an average of less than 6.

d. Those who have been in Amherst three or more semesters and have an average of less than 6 in all courses taken at the College.

e. Those who have accumulated delinquencies in three or more courses during their college careers.

f. Those who have been on probation and have failed to meet the conditions of their probation.

A student will be classified no higher than a sophomore until he has fulfilled the foreign language requirement.

The requirements of the Physical Education Department include: a) conscientious attendance; b) completion of six units of physical education; c) two units of beginning swimming for non-swimmers; d) an adapted physical education program during unit 1 for those referred by the College Physician.

No student may take courses in a summer school to make up a delinquency incurred at Amherst College unless his summer school courses are approved in advance by the Dean of Students. Similarly, Amherst College credit will not be given for courses taken in summer school unless approval is secured in advance from the Dean of Students.

The College does not grant credit for summer school courses completed with a grade below C.

ROOMS AND BOARD

All students, unless specifically excused by the Dean, are required to live either in the dormitories of the College or in fraternity houses. Dormitory rooms are equipped with bed, mattress, pillow, chiffonier, desk, chairs, and bookcase or shelves. Occupants furnish their own blankets, linen, and towels, and may provide extra furnishings if they wish, such as rugs, curtains, lamps, etc.; they may not add beds, sofas, lounges, or other furniture of such nature except under certain circumstances. More complete regulations for dormitory occupancy are contained in the Student Handbook.

All students are required to eat in Valentine Hall unless excused by the Dean. There are no rebates for absence from meals.

A complete description of the regulations of Amherst College on such matters as Dormitories, Motor Vehicles, Student Health, Eligibility Requirements, and other areas of student life are contained in the Student Handbook.

* *c.f. Degree Requirements, page 54, section 1.*

Tuition and Fees

A CANDIDATE'S formal application for admission should be accompanied by a $15 application fee in check or money order payable to Amherst College. Upon notification of his admission to the College a candidate is required to return with his acceptance a non-refundable advance payment of $100 which will be credited in full on his first term bill.

Comprehensive Fee (Tuition, Room, Board)	$3,900
Student Activities Fee	60
Blue Cross-Blue Shield Student Health Plan	45
	$4,005

The first semester bill in the amount of $2,055 is mailed to all students in August and is due and payable on or before September 3, 1971. The second semester bill totaling $1,950 is mailed approximately January 1, 1972 and is due and payable on or before January 14, 1972. All college scholarships, Insured Tuition Plan payments, and any other cash payments received prior to mailing will appear as credits on the bill.

Student identification cards will be issued by the Comptroller's Office upon payment of the College bill. These cards must be obtained before course cards may be picked up.

The fee for the support of various activities of the student body for 1971-72 is determined by the Student Allocation Committee. The $60 fee (included in the first semester bill) is turned over to the Director of Student Activities for controlled expenditure through the Student Allocation Committee. This fee provides a student with a copy of the yearbook, *The Olio*, and a one-year subscription to the student newspaper and magazine, *The Amherst Student* and *The Amherst Literary Magazine*. The fee also contributes to the support of the Masquers, the Film Society, The Seventy Players, the radio station, and includes tutorial and hospital service commitments as part of the more than forty organizations which make up student activities.

The charge of $45 appears on the comprehensive bill for twelve months Accident and Sickness Insurance for the period September 1, 1971 through August 31, 1972. Details concerning the Student Health Office, the College Infirmary and the Blue Cross-Blue Shield Student Health Plan appear in the Amherst College Student Handbook.

Miscellaneous charges such as fees for late registration, change of courses, extra courses, library fines, lost or damaged property, etc., are payable currently when incurred.

For delinquencies in Physical Education, a charge of $30 will be levied for each semester following sophomore year until the delinquency is removed.

Payment Plans

For those who wish the convenience of monthly payments, arrangements have been made for a pre-payment plan, including insurance for continued payment in case of death or disability of the parent. For further details write to: The Insured Tuition Payment Plan, 38 Newbury Street, Boston, Massachusetts 02116.

Tuition Changes

Despite every effort to maintain College fees at the lowest possible level, it has been necessary to increase the tuition fee at Amherst in each of the past five years. Therefore, students and their parents are advised that such increases may well be necessary in subsequent years. The College attempts to notify students of tuition changes at least twelve months in advance. Financial aid awards will be based on the schedule of fees in effect during the year of the award. Students who may require financial aid as the result of tuition changes are eligible to make application whenever necessary.

Refund Policy

In case of withdrawal before the opening day of a semester, all charges will be cancelled.

Refund of payment for or credit on student accounts in the event of withdrawal are as follows:

TUITION

Period of attendance calculated from day of first scheduled classes:

Prior to first day—100% $1,412.50
1 day to 2 weeks—80% 1,130.00
2 weeks to 3 weeks—60% 847.50
3 weeks to 4 weeks—40% 565.00
4 weeks to 5 weeks—20% 282.50
5 weeks or more .... no refund

ROOM & BOARD

Refund shall be made on a formula basis for any student who withdraws voluntarily or who is dismissed from the college during a semester.

SCHOLARSHIP GRANTS

Scholarship grants are cancelled in full when determining cash refunds.

The officer having general supervision of the collection of tuition and fees is the Comptroller.

Financial Aid

IN a sense, every student at Amherst College is on scholarship. Beginning in September, 1971, the comprehensive charge for tuition, room, board, and fees will be $3,900, yet the education of each student costs the College more than $8,800 per year. General endowment income, gifts, and grants to the College supply the difference.

For those students who cannot afford the regular charge, financial aid is available from a variety of sources. Through the years alumni and friends of the College have contributed or bequeathed capital funds whose income is to be used for scholarship aid to worthy students. These funds now amount to more than $4,500,000. Some, such as those designated for candidates for the ministry or those for students from certain geographical areas, are restricted in use. For the most part, however, the income from these funds may be used at the discretion of the College.

Each year the alumni of the College through the Alumni Fund contribute a substantial sum for scholarship and financial aid purposes. Several Amherst Alumni Associations also provide special regional scholarships to students from their areas; such awards are currently sponsored by the Boston, Connecticut, Michigan, New York City, Northern Ohio, St. Louis and Wisconsin Associations. Without these alumni contributions, the College could not maintain its present financial aid program.

Additional financial aid is available to Amherst students from sources outside the College. A number of foundations and corporations grant funds which the College distributes on the basis of high merit and financial need. Notable special scholarships are granted by the Edwin Gould Foundation for Children, the Gilbert H. Grosvenor Memorial Fund, the Agnes M. Lindsay Trust, the Mayne Educational Fund, and the Charles C. Patrick Memorial Fund. The College also participates in the College Work-Study, the Educational Opportunity Grant, and the National Defense Student Loan programs of the federal government.

Amherst College has a broad financial aid program in which scholarship grants, loans and student employment all play an important part. About one third of the students receive financial aid. Awards range from $100 to $4,000.

The officer directly in charge of the administration of financial aid is Dean Routh.

FINANCIAL AID POLICY AND PROCEDURE

The College grants financial aid only in cases of demonstrated financial need, but a student's character and academic performance and promise are

important factors. A student's financial need is calculated by subtracting from his probable college-year expenses the amount which he and his family may reasonably be expected to supply. His college-year expenses include tuition, room, board, fees, transportation, a sum of $500 for books and personal expenses, and fraternity fees for upperclassmen. The family contribution is computed in accordance with the standard procedures of the College Scholarship Service. The College assumes further that each student will assist in financing his education through summer employment and part-time jobs during the college year. Students who receive financial aid may not maintain personal motor vehicles in the Amherst and Hadley area without express permission from Dean Routh.

Financial aid awards are generally a combination of scholarship grant and self-help opportunities. Under normal circumstances, after allowance has been made for the family contribution and the student contribution from savings and summer employment, the initial $1,000 of the applicant's demonstrated need will be met with a combination of college-year employment and long-term, low-interest loan and he may expect to receive gift aid to cover the balance of his need. These loans require no payment of interest or principal before graduation from Amherst or graduate school, or until completion of military, Peace Corps or VISTA service, whichever is latest. Thereafter, the loans are repayable on a monthly or quarterly basis within a ten-year period at a moderate rate of simple interest. Part of a student's loan may be forgiven if he enters certain low-paying professions of service.

Renewal of scholarship grants is not contingent upon acceptance of the loan portion; many students prefer to earn more money during the summer or at college so that no loan is needed. Students who are unable to meet the summer-earning expectation by reason of unusual or educational summertime opportunities or who find it difficult to undertake campus employment may petition for an increase in loan to cover the difference. The size of the loan portion is also influenced by the overall performance of the student. Recipients of national scholarships and outside foundation awards are often not subject to these loan provisions.

APPLYING FOR FINANCIAL AID

Financial aid candidates should file applications for financial aid at the same time they file their applications for admission. Applications must be received by the Admission Office before February 15 to be considered. An application for financial aid requires the submission of two forms: a Parents' Confidential Statement filled out by the parents, and an Amherst College Financial Aid Application filled out by the candidate for admission. Candidates may obtain copies of the Parents' Confidential Statement from their secondary school guidance counselors. Parents should send the completed form to the College Scholarship Service which will process it and forward

the results to Amherst College for evaluation and final decision. Amherst College Financial Aid Applications may be obtained from the Office of the Dean of Admission as part of the application for admission. Applicants for financial aid need not take any special examinations other than those required for admission.

Undergraduates who desire renewal of their financial aid awards or who wish to apply for financial aid for the first time must file applications by April 20. Renewal forms may be obtained in Dean Routh's Office and should be returned directly there. Upperclassmen will receive notification of their financial aid awards in July.

STUDENT LOAN FUND

Through the generosity of friends of the College, the Student Loan Fund has been established from which small short-term loans may be made to a few students who require funds to meet personal emergencies or other needs for which financial aid funds may not be obtained. In accordance with the conditions set by the donors, use of the Student Loan Fund is limited to students in good scholastic standing whose habits of expenditure are economical. The rate of interest is slightly higher and the repayment period shorter than for scholarship loans, but complete scholarship application procedure is not required. Further information about the Student Loan Fund may be obtained from Dean Routh.

ADDITIONAL FINANCIAL AID INFORMATION

A more detailed description of the financial aid program, *Costs and Financial Aid at Amherst College*, is available upon request from the Admission Office. Questions about the financial aid policy of Amherst College should be directed to Dean Routh.

Degree Requirements

BACHELOR OF ARTS

THE degree, Bachelor of Arts, is conferred upon students who have satisfactorily met the requirements described below. The plan of studies leading to this degree is arranged on the basis of the equivalent of an eight-semester course to be pursued by students in residence at Amherst College.

The degree, Bachelor of Arts, *cum laude*, *magna cum laude*, or *summa cum laude* (Degree with Honors) is awarded to students who have successfully completed an approved program of honors work with a department or group.

Other students who satisfactorily meet the requirements as indicated below receive the degree, Bachelor of Arts, *rite*.

REQUIREMENTS

The Bachelor of Arts degree is awarded to students who:

1. Complete thirty-two full semester courses and four years of residence,* except that a student who has dropped a course without penalty during his first year, or who has failed a course during his Freshman or Sophomore year, shall be allowed to graduate, provided he has been four years in residence at the College and has satisfactorily completed thirty-one full courses.

2. In freshman and sophomore years complete the three Problems of Inquiry courses;

3. Satisfy the distribution requirement (seven courses outside the major department) as specified below;

4. Satisfy the foreign language requirement as specified below;

5. Complete the requirements for a major in a department or a group of departments including a satisfactory performance in the comprehensive evaluation.

6. Complete certain prescribed work in physical education;

7. Attain a general average of 6 in the courses completed at Amherst and

*In exceptional cases, a student with twenty-four courses and three years of residence may apply for graduation if all other requirements have been met. A student seeking to graduate in three years must apply to the Secretary of the Committee of Six. The Committee of Six, if it endorses a student's application for a three-year degree, recommends to the Faculty for its approval that the student be granted the status of a candidate for the degree at the end of his third year.

a grade of at least 70 or C in every course completed at another institution for transfer credit to Amherst.

COURSE REQUIREMENTS

All students except Independent Scholars are required to elect four full courses each semester and may elect an additional half course. The election of a half course in addition to the normal program is at the discretion of the student and without special permission. A student may not elect more than one half course in any semester except by consent of the Dean of the Faculty and the departments concerned. In such cases the student's program will be three full courses and two half courses. Half courses are not normally included in the 32-course requirement for graduation.

In exceptional cases a student may, with the permission of both his academic advisor and the Dean of Students, take five full courses for credit during a given semester. Such permission is normally granted only to students of demonstrated superior academic ability, responsibility and will.

A student may not add a course to his program after the fourteenth calendar day of the semester.

A freshman may, with the approval of the Dean of Students, drop one course during his first year without receiving a failing grade. He may drop the course either in the first or the second semester any time within the first eight weeks. Other exceptions to this rule shall be made only for medical reasons, or reasons of grave personal emergency, and shall be made only by the Dean of Students.

DISTRIBUTION REQUIREMENT

In order to provide students with a breadth of experience outside of their fields of major interest, each department has prepared one or more two-course sequences and one or more three-course sequences designed to give an introduction to its concepts, methods and achievements. Students are required to take one two-course sequence in a field outside the major but within the same division as the major, one two-course sequence in one of the divisions outside that of the major and one three-course sequence in the other division outside that of the major. Both two-course sequences and at least two courses of the three-course sequence must be completed by the end of the sophomore year.

In foreign languages, only courses at the literary level may be used to satisfy the distribution requirement in the humanities division. Problems of Inquiry do not satisfy any distribution requirement. Advanced placement in a course of study does not satisfy any part of the distribution requirement in that division.

Divisions are defined as follows:

Division I, Humanities, includes Classics, Dramatic Arts, English, Fine

Arts, French, German, Italian, Music, Philosophy, Religion, Russian and Spanish.

Division II, Social Sciences, includes American Studies, Anthropology, Black Studies, Economics, History, Legal Studies, Political Science, Psychology and Sociology.

Division III, Mathematics and Natural Sciences, includes Astronomy, Biology, Biophysics, Chemistry, Geology, Mathematics, Natural Science and Physics.

Subject to exceptional arrangements sanctioned by the department concerned, distribution requirements must be satisfied by courses taken at Amherst College.

FOREIGN LANGUAGE REQUIREMENT

Amherst College expects each graduate to be proficient in the use of a language other than his native tongue. The College's standard of proficiency consists of satisfactory completion of a language course at a level designated by each foreign language department or scores of 600 or better in both the Achievement and Listening Comprehension Tests of the College Entrance Examination Board.

A student who has not met the standard of proficiency upon entrance will take at least one course of a foreign language at Amherst, normally during the first semester of his freshman year. The language selected will usually be a continuation of one studied in secondary school.

Any student who, after a one-semester course in a foreign language at the college level, has not met the Amherst standard of proficiency and who chooses not to continue the study of a foreign language will discuss his plans with the Language Advisory Board. The student and the Board will examine the possible consequences for the student's own educational plans of a decision to continue further study of the language or of a decision to drop the language at that point. The decision whether to continue or not will then be made by the student himself.

THE MAJOR REQUIREMENT

A major normally consists of eight courses pursued under the direction of a department or special group. A major may begin in either the freshman or sophomore year and is normally declared by the beginning of the junior year. Students may change their major at any time provided that they will be able to complete the new program before graduation.

The major program can be devised in accordance with either of two plans:

DEGREE REQUIREMENTS

A student may complete the eight-course requirement within one department. He must complete at least six courses within one department, however, in which case he may take the remaining two courses in related fields approved by the department.

Students with special needs who desire to construct an interdepartmental major will submit a proposed program, preferably with the endorsement of one or more professors from each of the departments concerned, to the Committee on Interdisciplinary and Special Study. Such a program is normally composed of courses available in the existing departments and is not to be confused with the Independent Study program. If the CISS approves the proposal, it will appoint an ad hoc committee which will have all further responsibility for approving modifications in this program, selecting an advisor, administering an appropriate comprehensive examination, and making recommendations for graduation with honors.

A part of the major requirement in every department is an evaluation of the student's comprehension in his major field of study. This evaluation may be based on a special written examination or upon any other performance deemed appropriate by each department. The mode of the evaluation need not be the same for all the majors within a department, and, indeed, may be designed individually to test the skills each student has developed.

The evaluation should be completed by the seventh week of the second semester of the senior year. Any student whose comprehension is judged to be inadequate by his department will have two opportunities for re-evaluation: one not later than the last day of classes of the second semester of the senior year, and the other during the next college year.

DEGREE WITH HONORS

The degree Bachelor of Arts with honors is awarded at graduation to students whose academic records give evidence of particular merit. It may be awarded *cum laude, magna cum laude,* or *summa cum laude*, according to the level of achievement of the candidates. All degrees with honors are noted on the diploma and the commencement program, and are announced in the annual catalog.

The award of honors is made by the Faculty of the College. In making such awards the Faculty will take into account the following factors: (1) Candidates must have a minimum college average of 9 (B—) to be eligible to be considered for the degree *cum laude,* of 11 (B+) for the degree *magna cum laude,* and of 12 (A—) for the degree *summa cum laude.* (2) Candidates

must receive the recommendations for the degree *cum laude, magna cum laude*, or *summa cum laude* from the department in which they have done their major work. Each department will define the conditions upon which it will be its practice to make recommendations to the Faculty. (3) Candidates for the degree *magna cum laude* or *summa cum laude* will have their entire records reviewed by the Dean of the Faculty and the Committee of Six, who will transmit their recommendations to the Faculty. Only students of marked distinction in both general work and in the field of honor studies will be recommended for the *summa cum laude* degree.

In exceptional cases, upon recommendation of the department in which the candidate has done his major work, the Committee of Six may recommend to the Faculty that a student be awarded a degree of honors for which he does not have the required average.

The minimum average required for a student to be accepted by a department as a candidate for honors is determined by the department concerned.

Students in the Independent Study Program may become candidates for the degree with honors. Recommendations for such students will be made by the student's tutor together with those members of his committee who have joined in assigning him his comprehensive grade in the program.

INDEPENDENT STUDY

A limited number of students who elect to do so may participate in an independent study program, usually in the junior or senior years. Participants are chosen by the four-member Faculty Committee on Independent Study, which includes the Dean of the Faculty, after nomination for the program by a member of the Faculty. Independent Scholars are free to plan a personal program of study under the direction of a tutor, chosen by the student with the advice and consent of the Committee. The tutor provides the guidance and counsel necessary to help the student attain the educational objectives he has set for himself. The tutor and one or more other members of the Faculty familiar with the student's work will ultimately assign a comprehensive grade and provide a detailed, written evaluation of the student's performance which will become part of his formal record at Amherst College. Grades in such regular courses as the student may elect will be taken into account in assigning the comprehensive grade, and the student is eligible for a degree with honors, as well as all other awards and distinctions.

FIELD STUDY

Beginning with the academic year 1969–1970, the Faculty instituted a program of field study under which a student may pursue a course of study away from Amherst for either one or two semesters. A student is admitted to the program by the Faculty Committee on Field Study after approval of

his written proposal, and is assigned a Field Study Advisor chosen from the Faculty.

Upon being admitted to Field Study, a student becomes a candidate for the degree of Bachelor of Arts with Field Study, which is normally attained in four and one half or five years. During his first semester in residence at Amherst after his period of Field Study, a student must take a Special Topics course, normally with his Field Study Advisor, in which he draws on both his experience of Field Study and further investigation relating to it. A student may also pursue a related Special Topics course in the semester before he enters his program of Field Study.

A student pursuing a two-semester plan of Field Study will be allowed to continue after the first semester only upon providing evidence to the faculty Committee on Field Study that he is satisfactorily carrying out his program. No student shall begin his study in the field later than the first semester of his senior year.

A student pursuing Field Study shall maintain himself financially in the field, and during the period shall pay a Field Study fee to the College in lieu of tuition.

The transcript of a student who has undertaken Field Study shall include a short description and appraisal by his Field Advisor of the student's project and of the related Special Topics course.

ADVANCED PLACEMENT & EARLY GRADUATION

In cases where a student's Advanced Placement curriculum, scores, and academic record indicate that an Amherst course will be largely repetitive, a student may apply for an advanced course. Approval for the advanced course is granted after a conference with the professor who will teach the higher-level offering. Amherst credit is not granted for Advanced Placement work, but it is possible for a student to graduate after three years and the completion of 24 Amherst courses (see footnote, page 54).

Questions about Advanced Placement should be directed to the Dean of Admission. For further information, candidates should consult the Advanced Placement booklet in their secondary school guidance office.

FIVE-COLLEGE COURSES

Amherst, Hampshire, Mount Holyoke and Smith Colleges and the University of Massachusetts have for some time combined their academic activities in selected areas for the purpose of extending and enriching their collective educational resources. Certain specialized courses not ordinarily available at the undergraduate level are operated jointly and open to all. In addition, a student in good standing at any of the five institutions may take a course, without cost to the student, at any of the other four if the course is signifi-

cantly different from any offered on his own campus and he has the necessary qualifications.

The course must have a bearing on the educational plan arranged by the student and his adviser. Approvals of the student's adviser and the Academic Dean of the College (Provost at the University) at the home institution are required. Permission of the instructor is required for students from other campuses if permission is required for students of the institution at which the course is offered.

Students should apply for interchange courses at least six weeks prior to the beginning of the semester since they may find some courses already filled after that time. Free bus transportation among the five institutions is available for interchange students.

Students interested in such courses will find current catalogs of the other institutions at the Loan Desk of the Library and at the Registrar's Office. Application blanks may be obtained from the Registrar's Office.

COOPERATIVE
DOCTOR OF PHILOSOPHY

A COOPERATIVE Doctor of Philosophy program has been established by Amherst, Hampshire, Mount Holyoke, and Smith Colleges and the University of Massachusetts. The degree is awarded by the University of Massachusetts but some and perhaps much—and in a few exceptional cases even all—of the work leading to the degree might be done in one or more of the other institutions.

When a student has been awarded a degree under this program, the fact that it is a cooperative doctoral degree involving Amherst, Hampshire, Mount Holyoke, and Smith Colleges and the University of Massachusetts will be indicated on the diploma, the permanent record, and all transcripts, as well as on the commencement program.

The requirements for the degree are identical to those for the Ph.D. degree at the University of Massachusetts except for the statement relating to "residence." For the cooperative Ph.D. degree "residence" is defined as the institution where the dissertation is being done.

Students interested in this program should write to the Dean of the Graduate School at the University of Massachusetts. However, students who wish to work under the direction of a member of the Amherst Faculty must have their proposal approved by the Dean of the Faculty of Amherst College and by the Amherst Faculty Committee of Six.

Faculty Statement on Intellectual Responsibility

The following Articles are an institutional expression of the basic fact that every man's education is the product of his own intellectual efforts. Amherst cannot educate a man who will not educate himself. Amherst sees no value in making its facilities available to a man who avoids the responsibility and opportunity for his own education. Every man who enrolls and remains at Amherst, therefore, understands that to submit work which is not his own violates the purpose of the College and of his presence there. No intellectual community can maintain its integrity or be faithful to its members if violations of its central purpose are for any reason tolerated.

This principle of intellectual responsibility applies to all work done by students.

ARTICLE I

This statement will be perpetuated in the Amherst College Bulletin, Student Handbook, and other publications deemed appropriate. The following affirmation will be printed on the course enrollment cards for every course; it must be signed before enrollment can be considered:

> "I have read, understand, and accept the Statement of Intellectual Responsibility Among Students at Amherst College, and agree with this principle as it relates to this course.
>
> . . . . (signed)"

ARTICLE II

Section 1. Examinations will not be proctored; orderly and honorable conduct of examinations will be the individual and collective responsibility of the students concerned, in accordance with the Statement above.

Section 2. The instructor may be present at examinations at appropriate times to answer any questions that arise.
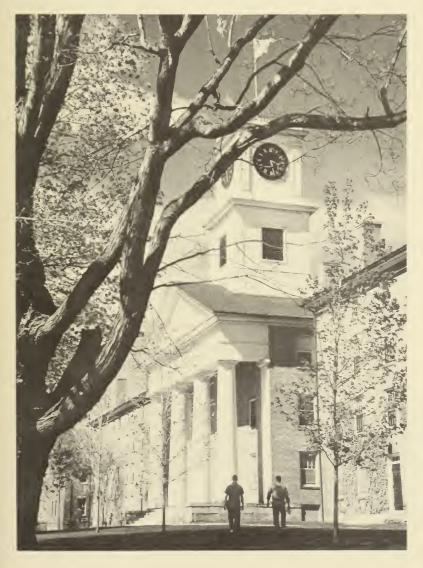
ARTICLE III

Instances of purported or ascertained violation of the Statement of Intellectual Responsibility will be dealt with by the Judicial Board in accordance with its procedures.

ARTICLE IV

The Judicial Board shall make provision for explaining the Statement of Intellectual Responsibility to incoming freshmen and to new members of the Faculty, and for publicizing and interpreting the Statement to the student body during the year. The Judicial Board will consider any problems of maintaining intellectual responsibility which are brought before them by the students. They will make any recommendations which they deem advisable for action by the Faculty and Administration. At some time each year the Board shall also be responsible for a serious review of the effectiveness of these procedures in promoting the central purpose of the College.

III

COURSES OF INSTRUCTION

*Johnson
Chapel*

Courses of Instruction

COURSES are open to all undergraduates, subject only to the restrictions specified in the individual descriptions. Courses listed as elective for a particular class may be elected by members of that class and higher classes. In general all courses numbered 1 to 9 are introductory language courses. Introductory courses in other areas are numbered 11 to 20, senior honors courses, usually open only to candidates for the degree with honors, are numbered 77 and 78, and special topics courses are numbered 97 and 98. All courses, unless otherwise marked, are full courses. The course numbers of double courses and half courses are preceded by D or H. All odd-numbered courses are offered in the first semester, unless followed by the designation s, and all even-numbered courses are offered in the second semester unless followed by the designation f.

SPECIAL TOPICS COURSES

Departments may offer a semester course known as Special Topics in which a student or a group of students study or read widely in a field of special interest. It is understood that this course will not duplicate any other course regularly offered in the curriculum and that the student will work in this course as independently as the director thinks possible.

Before the time of registration the student should consult the teacher in whose field of competence his subject comes and who will direct his work; they will decide the title to be reported, the nature of the examination or term paper, and will discuss the preparation of a bibliography and a plan of coherent study. All students must obtain final approval of the Department before registration. Two Special Topics courses may not be taken concurrently.

PROBLEMS OF INQUIRY

Each of the three Problems of Inquiry courses is a one-semester interdisciplinary introduction to the outlook and methods of one of the major divisions of the liberal arts program. Students must normally elect these three courses within their first four semesters and no more than one of these courses may be elected in a single semester. Students shall be required to take all three Problems of Inquiry courses. Exemption from an Inquiry course may be made only by the Chairman of the course, in consultation with his staff. A student exempted from one version of an Inquiry course will not be required to take a later version of the course with different expectations for exemption.

1. Humanities. An attempt to discover and explore some of the possibilities for discourse in the humanities by pursuing conversation about a particular subject of general interest. The subject for 1971–72 will be: Eros, Civilization and the Inner Life.

Elective for Freshmen. First semester. Professors A. Barnes, Cameron (Chairman), Chickering, Cody, Fischer, Flory, Lebeck, Pemberton, Townsend, and White.

1s. Humanities. Same description as Problems of Inquiry 1. Three meetings a week, mainly in discussion sections.

Elective for Freshmen. Second semester. Professor Cameron (Chairman), and staff.

2f. The Social Sciences. An examination of the ways in which the various social sciences seek to understand social phenomena. The subject for 1971–72 will be modernization in China and India. The course will consider a variety of social science perspectives on the problem of modernization in China and India. The class will meet as a whole for lectures and in sections for seminar discussions.

Elective for Freshmen and Sophomores. First semester. Professors Gifford, Halsted, Hawkins, Lees, Levin (Chairman), Petropulos, Pitkin, and Taubman; Messrs. Kuklis and Schloming.

2. The Social Sciences. Same description as Problems of Inquiry 2f.

Elective for Freshmen and Sophomores. Second semester. Professors Breneman, Buff, Errington, Lees, Levin (Chairman), Morgan, R. Moore, and Ratté.

3. The Natural Sciences. A study of some aspects of scientific methodology and philosophy. The development and evolution of our conceptions of the nature of light and visual perception will exemplify this study. The influence of science upon man's view of himself and its impact on society will be discussed.

Active student participation is encouraged as much as possible in discussing these ideas in small group seminars.

This course should not be selected by students who elect to major in the sciences (exclusive of Mathematics) or students electing a Pre-Medical program.

Elective for Freshmen and Sophomores. First semester. Professors Fink, Kropf (Chairman), Romer, Sargent, Towne, Valberg and Zimmerman.

3s. The Natural Sciences. Same descriptions as Problems of Inquiry 3.

Second semester. Professors Epstein, Fink, Gordon, Kropf (Chairman), Romer, Tinker and Yost.

AMERICAN STUDIES

Professors Greene, Guttmann (Chairman), Hawkins, Marx, B. Morgan, Rozwenc‡ and Ward; Associate Professors Dizard and Levin; Assistant Professor E. Ryerson; Dean Reed.

American Studies is a program which searches for an understanding of the relations among institutions, ideas, and aesthetic forms within the American experience. By combining work in a number of the traditional scholarly disciplines, it aims to place the student in a position where he can see and can make some statements about these relations.

Major Program. A major in American Studies is required to develop a program of courses and independent reading which will enable him to pass a series of intensive written and oral examinations in the spring semester of the senior year. These examinations will cover:

1. The main forces which have shaped American life throughout American history. An American Studies major must understand changes in political and social institutions, the forms of economic organization, the competing myths and ideologies, and responses to world politics which have developed in the American experience.

2. The classic writings and other creative efforts in the American intellectual tradition. These include significant works in literature, art, philosophy, and political and social theory.

A major in American Studies will be required to take both terms of the introductory course (American Studies 11, 12) and to work out for himself a program of study inside and outside of courses which will enable him to pass the comprehensive examinations of the senior year. Such a program of study should include a primary emphasis on history and literature (at least three courses in each field), and a competent knowledge of at least one other field (at least two courses), viz., economics, political science, anthropology and sociology, philosophy, religion, art, or music.

Although enrollment in American Studies 11, 12 is not restricted, no more than thirty students from each class will be admitted to the major program in American Studies. To be eligible for admission to the major program, a student must take American Studies 11, 12, before the end of the sophomore year. All students who are accepted in the major program must take the Junior Seminar in American Civilization and the two Senior Tutorial courses listed in the departmental offerings. In conjunction with the senior tutorial courses, each student in a major program will write an original essay that develops a form of interdisciplinary inquiry which has been approved by the Department.

‡On leave second semester 1971-72.

Honors Program. All students majoring in American Studies are required to take the five interdisciplinary courses (11, 12, 68, 77, and 78) offered by the Department. Recommendations for honors will be made at the end of the senior year after the comprehensive examinations and the completion of the senior essay.

Distribution Sequences. A student taking a three-course sequence will be expected to take both terms of the introductory course (American Studies 11, 12) and a third course that is included in one of the fields in Division II (Social Science) of the curriculum; a student taking a two-course sequence in the Department will be allowed to take only American Studies 11, 12, but American Studies 12 may be taken prior to American Studies 11.

Unless otherwise specified all courses are open to freshmen.

11, 12. An Introduction to American Civilization. This course will explore the significant interrelations among politics, economic organization, literature, religion, art, etc. in selected moments of American history. The center of attention in the course will be the investigation of large cultural configurations in the American experience rather than a comprehensive historical treatment. Relevant problems of meaning and method in this kind of interdisciplinary inquiry will also be considered.

In the first semester 1971–72, the topic will be *America's Revolutionary Tradition.* Beginning with the ideology of the Enlightenment and the institutional arrangements of British colonialism, the course will consider the causes and consequences of the Revolution, the nature of the "counterrevolution" of 1787, and the domestic and foreign problems of the new nation. The course will conclude with a comparison of the American and the French Revolutions and with Jefferson's *Notes on Virginia* seen as an early treatment of future crises of race and of industrialization.

In the second semester, American Studies 12 will be concerned with the problems of dissent, violence, and social control. The course will begin with an analysis of stresses and strains that led to the collapse of "consensus" in 1860–1861. Melville's "Benito Cereno" and the relationships between Transcendentalist dissent (e.g., Thoreau) and direct action (e.g., John Brown) will be among the topics examined within the moral and legal context of that period and the present one. From a discussion of Harper's Ferry, the course will move in time to the twentieth century and to a study of the ghetto revolts, "the Warren Court," and related matters. The course will include a variety of explanatory models from the works of Durkheim, Marx, Freud, and Fanon.

Elective for Freshmen. First and second semesters. The staff.

The History of American Society. See History 55.

First semester. Professor Rozwenc.

The History of American Society. See History 56.
Second semester. Omitted 1971–72. Professor Rozwenc.

Seminar in Southern History. See History 57.
Limited to fifteen students. First semester. Omitted 1971–72. To be offered 1972–73. Professor Hawkins.

The Progressive Generation. See History 58.
Limited to fifteen students. Second semester. Omitted 1971–72. Professor Greene.

America in the Sixties. See History 59.
Admission by consent of the instructor. First semester. Professor Rozwenc.

Radicals and Reformers in the New Deal Era. See History 60.
Limited to fifteen students. Second semester. Omitted 1971–72. Professor Rozwenc.

Community and Individualism in Early America. See History 61.
First semester. Professor Greene.

American Diplomatic History. See History 62.
Second semester. Professor Levin.

Conference Course in American Intellectual History. See History 63.
Elective for Juniors with permission of instructor. First semester. Professor Commager.

Seminar in Educational History. See History 66.
Limited to fifteen students. Second semester. Professor Hawkins.

Race in American History. See History 67.
Limited to twenty-five students. To alternate with History 57. First semester. Professor Hawkins.

Readings in American Literature. See English 60f.
Requisite: At least two semester courses in American literature and consent of the instructor. Elective for Juniors. Seminar course limited to fifteen students. First semester. Omitted 1971–72. Professor Marx.

American Puritanism. See English 61.
Elective for Sophomores. First semester. Omitted 1971–72. Professor Marx.

American Renaissance. See English 62.
Elective for Sophomores. Second semester. Omitted 1971–72. Professor Marx.

Realism and Naturalism in American Literature. See English 63s.
Elective for Sophomores. Limited to sixty students. Second semester. Professors Marx and Peterson.

Visionary Writers in America. See English 64f.
Elective for Sophomores. Limited to sixty students. First semester. Professors Marx and Peterson.

American Literature. Cosmopolitans and Provincials. See English 65.
Elective for Sophomores. First semester. Omitted 1971–72. Professor Guttmann.

Race and Ethnicity in American Literature. See English 66f.
Elective for Sophomores. First semester. Professor Guttmann.

Human Resources. See Economics 21s.
Requisite: Economics 11. Second semester. Professor Sears.

The American Economy. See Economics 24.
Requisite: Economics 11. Second semester. Professor Nelson.

American Economic History. See Economics 28.
Requisite: Economics 11. Second semester. Professor Aitken.

American Art. See Fine Arts 38f.
Elective for Sophomores. First semester. Mr. Roberson.

Topics in Philosophy. See Philosophy 21.
Requisite: Permission of instructor. (Suggested: one philosophy course from Group I passed with at least a C). Elective for Freshmen. First semester. Professor Epstein.

American Government. See Political Science 21.
First semester. Omitted 1971–72. Professor Ziegler.

Political Parties. See Political Science 31.
First semester. Professor Arkes.

American Constitutional Development. See Political Science 41.
First Semester. Professor Latham.

American Political Thought. See Political Science 48.
Second semester. Omitted 1971–72. Professor Kateb.

Religion in America. See Religion 34.
Requisite: Religion 11 or consent of the instructor. Elective for Juniors. Second semester. Professor Morgan.

American Social Structure. See Sociology 12.
Elective for Freshmen. Second semester. Associate Professor Dizard.

68. Seminar in American Civilization. An interdisciplinary investigation of selected aspects of American civilization.
Required of all junior majors in American Studies. One two-hour seminar weekly. Second semester. Professor Guttmann.

77. Senior Tutorial Course. The preparation of a senior essay that develops a form of interdisciplinary inquiry in American civilization which has been approved by the Department.
Required of all senior majors. First semester.

78. Senior Tutorial Course. The preparation of a senior essay that develops a form of interdisciplinary inquiry in American civilization which has been approved by the Department.
Required of all senior majors. Second semester.

97. Special Topics. Independent Reading Course.
First semester.

98. Special Topics. Independent Reading Course.
Second semester.

ANTHROPOLOGY AND SOCIOLOGY

Professors Birnbaum* and Pitkin (Chairman); Associate Professor Dizard; Assistant Professors Babb, Buff, and Errington.

The Anthropology and Sociology program is designed to complement the work of the other disciplines in the Social Science division by bringing to bear the specific resources of each discipline upon the understanding of man in society and culture. Emphasis is placed upon traditional as well as upon modern societies and upon man in the past as well as in the present.

Major Program: Students majoring in the department will be able to emphasize either an anthropology or sociology curriculum. In the first instance students will normally take (although not necessarily in this order) Sociology 11 or 12, Anthropology 11, 12, 21 or 22, 24 or 26, 31, 40, and 71. Candidates for degrees with honors will include Anthropology 77, 78.

*On leave 1971–72.

Those who pursue a sociology curriculum will normally take Anthropology 11 or 12, Sociology 11, 12 and 71; two additional courses in sociology at Amherst College, and two additional courses in anthropology at Amherst or in sociology from Five-College electives. Candidates for degrees with honors will include, as seniors, Sociology 77, 78. A reading knowledge of either French or German is recommended.

Interdepartmental majors in combination with a number of other fields may be arranged for honors candidates.

Distribution Sequences: A two-course sequence will be Anthropology 11 or 12 and any other Anthropology or Sociology course in the department, or Sociology 11 or 12 and any other Anthropology or Sociology course in the department. A three-course sequence will be Anthropology 11 or 12 and any other two Anthropology or Sociology courses in the department, or Sociology 11 or 12 and any other two courses in Anthropology or Sociology in the department.

Anthropology

11. The Evolution of Culture. An analysis of culture in evolutionary perspective, regarding it as the distinctive adaptive mode of man.
Elective for Freshmen. First semester. Professor Pitkin.

12. Peoples of Africa. A general survey of Subsaharan ethnography, including a final section on modern political developments.
Elective for Freshmen. Second semester. Professor Babb.

21. Indian Civilization. A general survey of Indian civilization together with comparative materials from other areas of South and Southeast Asia.
Elective for Sophomores. First semester. Professor Babb.

22. Ethnology of Oceania. An examination of the ethnology of Oceania with emphasis on Melanesia. Topics to be included which are of general theoretical interest to social anthropology are problems in the analysis of loosely-structured societies, messianic movements, men's ritual and societies, sexual antagonism, and the idea of pollution.
Elective for Sophomores. Second semester. Omitted 1971–72. Professor Errington.

24. Comparative Mythology. Comparative analysis of a number of mythic systems with special reference to the problem of human psycho-cultural diversity or unity.
Elective for Sophomores. Second semester. Omitted 1971–72. To be offered next in 1972–73. Professor Pitkin.

26. Peasant Society and Culture. An examination of the concept of peasantry in addition to an analysis of a number of peasant societies drawn both from literature and the social sciences.

Elective for Sophomores. Second semester. Omitted 1971–72. Professor Pitkin.

31. Anthropological Approaches to the Study of Religion. An examination of anthropological theory and method relating to the analysis of systems of religious belief and practice.

Elective for Sophomores. First semester. Professor Errington.

36. Culture and Personality. An examination of theoretical and methodological issues concerning the relationship between personality and culture. One two-hour seminar per week.

Elective for Juniors by consent of the instructor. Second semester. Professor Pitkin.

40. Anthropological Theory: Symbolism. An examination of how symbols both reflect and form a culture's experience of its world. Authors will include Freud, Jung, Levi-Strauss, Mary Douglas, Victor Turner and Clifford Geertz. One two-hour seminar each week.

Elective for Juniors by consent of the instructor. Limited to fifteen students. Second semester. Professor Errington.

41. Non-Western Views of Person, Time and Reality. An analysis of various views of time, person and reality as presented in non-Western autobiographies, theories of madness, and millenarian movements. One two-hour seminar each week.

Elective for Juniors by consent of the instructor. Limited to fifteen students. First semester. Professor Errington.

Colloquium in Japanese Civilization and Culture. See Colloquia, p. 178.
Second semester. Professors Lee and R. Moore, and Five-College Faculty.

Colloquium in South Asian Literature. See Colloquia, p. 180.
Requisite: Anthropology 21 or its equivalent. Elective for Juniors with the consent of the instructors. Limited to fifteen students. Second semester. Professors Babb and Peppard.

71. Senior Seminar. A consideration of current issues in anthropological and sociological theory. Required of all seniors in anthropology and sociology. Others by consent of the instructor only.

First semester. Professors Babb and Dizard.

77, 78. Honors Course.
First and second semesters. The Department.

97, H97. Special Topics. Independent Reading Courses. Full or half course.
First semester. The Department.

98, H98. Special Topics. Independent Reading Courses. Full or half course. Second semester. The Department.

Sociology

11. Community and Society: An Introduction to Sociology. The course will pursue a central theme in sociology: the tension between communal and societal modes of association. The historical progression from communal to complex societies will be discussed and the persistence and possible resurgence of communal relationships within modern society will be explored. The course will begin by examining the writings of such classical sociologists as Marx, Durkheim and Weber whose works dealt with the social and cultural transformations that followed the industrial revolution in Europe. Early communal experiments and movements will then be explored with particular emphasis on the Utopian communities in the United States, the German Youth Movement, and the Kibbutz movement in Israel. The course will conclude with a critical analysis of the political and counter-cultural aspects of the current youth movement in the United States.

First semester. Professor Buff.

12. American Social Structure. An analysis of continuity and change in American society. The relationships between social structure and the life styles, values and aspirations of social classes. Inequality and social movements. The role of the corporation and the corporate elite. Power elite versus pluralism.

Elective for Freshmen. Second semester. Professor Dizard.

20. Sociology of Intellectual Life. The social setting and organization of modern intellectual life in America and Europe. The emergence of the intellectuals, their cultural and political roles. The development of a technical intelligentsia. Bohemian and bourgeois modes of culture, the market for culture, and the bureaucratisation of the spirit. Universities and the alleged rise of a knowledge elite. A reading knowledge of a European language is strongly recommended.

Elective for Juniors and Seniors. Second semester. Omitted 1971–72. Professor Birnbaum.

21. Race and Ethnic Relations. A detailed analysis of race and ethnic relations in American society with focus on the experience of several major ethnic groups in addition to a comprehensive examination of the Negro in America. Issues to be dealt with will include racism, assimilation, ethnic identity, and black culture.

Elective for Juniors and Seniors. First semester. Omitted 1971–72. Professor Dizard.

23. Field Methods in Sociology. The course will deal with the place of field work among other research methods; aims and special contributions. It will focus on the strategy and problems of field work—especially participant observation: establishing a role, the use of informants and respondents, maintaining rapport, interviewing, recording field notes, concept formation, drawing inferences and corroborating them, working in organizations and foreign cultures, developing theory and ethical issues. The course will also briefly explore similarities and differences between the craft of the sociologist and that of the film maker or novelist in dealing with the raw data of human experience and action. Students will be expected to develop their own projects and to gain sustained field work experience. (Students taking Sociology 23, Field Methods, first semester and Sociology 26 second semester may do a research project among workers that would span the academic year.)

Consent of the instructor required. First semester. Professor Buff.

Sociology of Religion. See Religion 24.

Requisite: Sociology 11 or Religion 11 or consent of the instructor. Second semester. Professor Mudge.

26. The Working Class in American Society. Major facets in the life of the American worker: the family, the worlds of youth and education, work and leisure, sex and marriage, physical and mental health. The formation of working class values, perspectives and ideologies. The relationship of the working class to other classes and institutions. Analysis of embourgeoisement, authoritarianism, and direction of working class politics and culture, and the effects of recent social changes on the working class (the Indo-China War, the civil rights and youth movements, and the recession.) Some historical and comparative readings. (Students taking Sociology 23, Field Methods, first semester and Sociology 26 second semester may do a research project among workers that would span the academic year.)

Consent of the instructor required. Second semester. Professor Buff.

30f. Social Change. An examination of classical and contemporary treatments of change. The sources of change and the phenomenon of social conflict. Orderly and revolutionary change. The role of the intellectual and ideology. The problems of analyzing modernization and economic development.

Requisite: Anthropology 11, or Sociology 11 or 12. Elective for Juniors. First semester. Professor Dizard.

31s. Karl Marx. An examination of the sources and development of the thought of Karl Marx. Reading in the original texts. Current interpretations of Marx.

Second semester. Omitted 1971–72. Professor Birnbaum.

71. Senior Seminar. A consideration of current issues in anthropological and sociological theory. Required of all seniors in anthropology and sociology. Others by consent of the instructor only.

First semester. Professors Babb and Dizard.

77.78. Honors Course. First and second semesters. The Department.

97. H97. 98. H98. Independent reading courses. Full or half course. First and second semesters. The Department.

Asian Studies. See page 178.

ASTRONOMY

Professors Harrison, Irvine (Chairman), Seitter and Strong; Associate Professors Arny and Huguenin; Assistant Professors Dennis, Dent, C. Gordon, K. Gordon, Greenstein, Manchester, Tademaru, Taylor, and Van Blerkom.

A joint Astronomy Department provides instruction at Amherst, Hampshire, Mount Holyoke and Smith Colleges and the University of Massachusetts. Introductory courses are taught separately at each of the five institutions; advanced courses are taught jointly. ASTFC indicates courses offered by the Five-College Astronomy Department. These courses are listed in the catalogs of all the institutions.

Two alternative programs are available leading to a degree in astronomy. The honors program is designed to meet the needs of the student who wishes to prepare for graduate work in astronomy or astrophysics, or who wishes a combined honors program with mathematics or physics. The *rite* major is available to the student who wishes to study astronomy largely for its cultural values or as the basis of a broad science background which might lead to a career in teaching, scientific journalism, or related fields.

The facilities of all five institutions are available to departmental majors. (See description under Astronomy 77, 78.) Should the needs of a thesis project so dictate, the Department may arrange to obtain special materials from other observatories.

Major Program: The minimum requirements for the *rite* major are Astronomy 22, 73, 74, and two courses from 37, 38, 43 and 44; Mathematics 11, 12 and 21; Physics 13, 14, 23, and at least one additional physics course.

A student who considers majoring in astronomy should consult with the Department as early as possible in his college career. Honors students should complete Mathematics 12 and Physics 13 before the start of the sophomore year.

An appropriate program for the student who achieves advanced placement in physics or astronomy will be devised on an individual basis, in consultation with the Dean and the Physics Department.

Honors Program. Minimum Requirements: Astronomy 22, 37 or 38, 43, 44, 77, and 78. Mathematics 11, 12 and 21; Physics 13, 14, 23, 26, 27, 36 and 58.

In exceptional cases Astronomy 11 may be substituted for Astronomy 22 in either the *rite* or honors program.

Distribution Sequence: A two-course sequence may consist of any two courses in astronomy (Astronomy 11 with either 31 or 34 is recommended), or Astronomy 22 and Physics 14. A three-course sequence may consist of any three courses in astronomy.

11. Introductory Astronomy. A course designed primarily for students not majoring in the physical sciences. The properties of the astronomical universe and the methods by which astronomers investigate it are discussed. The course describes the nature and properties of stars, our Galaxy, external galaxies, cosmology, the origin and character of the solar system. Three one-hour lectures and one two-hour laboratory per week.

Elective for Freshmen. First semester. Professor Greenstein.

22f. Introduction to Astronomy and Astrophysics. For astronomy majors or others interested in a quantitative introductory course. A description of our present knowledge of the universe and the means by which this knowledge has been obtained. The course considers the properties of the solar system, individual and multiple stars, interstellar matter, our galactic system and external galaxies. Two ninety-minute lectures and one two-hour laboratory per week. Same course as ASTFC 22.

Requisite: Physics 13 and 14. (Physics 14 may be taken concurrently.) Not open to students who have completed Astronomy 11. Elective for Sophomores. First semester. Professor Dennis.

22. Introduction to Astronomy and Astrophysics. Same description as Astronomy 22f. Second semester.

31. Space Science: Topics of Current Astronomical Research. A discussion of selected topics from current astronomical research, intended primarily for non-science majors. Topics may include the aims and results of space research and exploration, recent developments in stellar evolution, cosmology, and current research in radio astronomy. No mathematical preparation beyond algebra and elementary trigonometry is required. Two ninety-minute lectures per week. Same course as ASTFC 31.

Requisite: Astronomy 11 or 22. Elective for Sophomores. First semester. Professor Irvine.

34. Development of Astronomy. The progress of astronomy is traced from prehistoric petroglyphs to the space age. Emphasis is placed upon the development of important ideas in the field and upon the relation of astronomy to other cultural trends. Supplemented by occasional use of the planetarium and the departmental telescopes. Two ninety-minute lectures per week. Same course as ASTFC 34.

Requisite: Astronomy 11 or 22. Elective for Freshmen. Second semester. Professors K. Gordon and Seitter.

37. Astronomical Observation. An introduction to the techniques of gathering and analyzing astronomical data. Subjects to be covered depend somewhat on individual interests: Photography, calibration of photographs; photometry; spectroscopy and classification of spectra; determination of stellar temperatures, masses and radii; basic radio astronomy; introduction to telescope design and use: the astronomical distance scale. Two ninety-minute lectures and one two-hour laboratory per week. Same course as ASTFC 37.

Requisite: Astronomy 11 or 22 and Physics 14. Elective for Sophomores. First semester. Professors C. Gordon and Strong.

38. Techniques of Modern Astronomy. An introduction to modern methods of astronomical observation and data reduction. Specific techniques of optical astronomy, radio astronomy, and space astronomy will be discussed and analyzed. Laboratory experiments and field observations will also be performed by students during the semester. Same course as ASTFC 38.

Requisite: Physics 14. Elective for Sophomores. Second semester. Professor Huguenin.

43. Astrophysics I. Basic topics in astrophysics. Equilibrium configurations and the physical state of stellar interiors. Polytrope models. Interaction of radiation and matter, and radiative transfer. Radiative and convective equilibrium. Study of opacity. Two ninety-minute lectures per week. Same course as ASTFC 43.

Requisite: Physics 27 or permission of instructor. Elective for Juniors. First semester. Professor Harrison.

44. Astrophysics II. Continuation of basic topics in astrophysics. Nuclear energy sources. Stellar atmospheres and limb darkening. Electron degenerate configurations. Star formation. Introduction to simple model building. Stellar evolution. Elementary plasma physics. Two ninety-minute lectures per week. Same course as ASTFC 44.

Requisite: Astronomy 43. Elective for Juniors. Second semester. Professor Harrison.

73, 74. Reading Course. Required of *rite* majors. Students electing this course will be required to do extensive reading in the areas of astronomy

and space science. Two term papers will be prepared during the year on topics acceptable to the Department.

Elective for Seniors. First and second semesters. The Department.

77, 78. Senior Honors. Opportunities for theoretical and observational work on the frontiers of science are available in cosmology, cosmogony, radio astronomy, planetary atmospheres, relativistic astrophysics, laboratory astrophysics, gravitational theory, infrared balloon astronomy, stellar astrophysics, spectroscopy, and exobiology. Facilities include the Five College Radio Astronomy Observatory, the Laboratory for Infrared Astrophysics, balloon astronomy equipment (16-inch telescope, cryogenic detectors), and a modern 16-inch Cassegrain reflector. An honors candidate must submit an acceptable thesis and pass an oral examination. The oral examination will consider the subject matter of the thesis and other areas of astronomy specifically discussed in astronomy courses.

Elective for Seniors. Required of honors students. First and second semesters. The Department.

BIOLOGY

Professors Brower, Hexter,* Leadbetter‡ and Yost (Chairman); Assistant Professors Fisher, Godchaux, Jones, Karfunkel, and Zimmerman; Dr. Ives.

Major Program. A major in biology will consist of at least six semester courses in biology and two semester courses of organic chemistry. Biology 21 and 22 are required for majors. In addition, four elective courses are required, including at least one from Group A (Biology 24f, 26, 40f or 41), and one from either Group B (Biology 30 or 48) or Group C (Biology 42, 43, 47 or 49) in order to insure a broad perspective in biology. Biology 11–12 will not count toward the major without approval by the Department.

All majors must take a comprehensive examination during the senior year. The examination, which will cover the different areas of biology, may be either oral, written, or a combination of the two, as determined by the Department.

Specific requirements may be modified with the approval of the Department. It is recommended that Freshmen intending to major in biology concentrate during their freshman year on necessary background courses in mathematics, physics, or chemistry. Biology majors should omit Problems of Inquiry 3.

Honors Program. Honors work in biology is intended to offer an introduction to the purposes and methods of biological research. It is an excellent

*On leave 1971–72.
‡On leave second semester 1971–72.

preparation for those students who wish to become professional scientists or who wish to acquire first-hand knowledge of the methods of modern science.

The work for honors in biology consists of two main activities: (a) participation in a seminar in which the candidate reports on recent literature dealing with current scientific investigations; (b) an original investigation under the direction of some member of the staff. The candidate writes a thesis presenting the results of his research to the whole Department.

Biology 21 and 22 are required for the degree with honors. In addition, in order to insure a broad perspective in biology, each candidate must complete by the end of the senior year three elective courses, including at least one course from Group A, and one from Group B or Group C as enumerated above in the description of the major program. Two of these courses should be completed by the beginning of the senior year. Honors candidates must elect Biology 77–78. Specific requirements may be modified with the approval of the Department.

Distribution Sequences. The following three-semester distributional sequences are offered (the first two courses in each case satisfy the requirement for a two-semester distribution sequence):

1. Biology 11, Biology 12, and any other course in the Department for which the student has the requisites.
2. Chemistry 11 or 12, Biology 21.
3. Chemistry 11 or 12, Biology 21, and either Biology 22, 23 or 24f.

11. Introduction to Biology I. An introduction to biological principles as a part of a program of liberal study, with emphasis on microbes, their contributions to our understanding of these principles, and their ecological roles in nature. Recommended as a broad view of biology for nonscience majors. Normally it does not count toward a biology major. Three classroom hours and four hours of laboratory work per week.

Elective for Freshmen. First semester. Professor Leadbetter.

12. Introduction to Biology II. Man in the Ecosphere. Diverse observations on the human species will be integrated into the conceptual framework generated by modern ecosystem biology. The course will emphasize population dynamics and control; food, resource, and energy production and consumption; economic and social aspects of development and conservation; and causes and effects of ecosystem perturbation. Three classroom hours and four hours of laboratory or seminar work per week.

Requisite: Biology 11 or permission of the instructor. Elective for Freshmen. Second semester. Professor Fisher.

21. Genetics and Cytology. A study of the basic facts of heredity, an analysis of cellular structure, and a consideration of the various hypotheses for the action of genes in the control of cellular and multi-cellular processes. Four classroom hours and four hours of laboratory work per week.

Requisite: concurrent registration in Chemistry 11 or equivalent. Required for biology majors. Elective for Sophomores. Freshmen may elect it with the consent of the instructor. First semester. Professors Jones and Yost.

22. Developmental Biology. A study of the development of animals and plants, leading to the formulation of the principles of development, and including an introduction to experimental embryology and developmental physiology. Four classroom hours and four hours of laboratory per week.

Requisite: Biology 21. Required for biology majors. Elective for Sophomores. Freshmen who have credit for Biology 21 may elect Biology 22 with the consent of the instructor. Second semester. Professor Karfunkel.

24f. Evolutionary Biology. A broad examination of functional and historical explanation in the biological sciences. The topics covered include: the history of evolutionary ideas and natural selection; the genetics of individuals and populations; analysis of rates, patterns, and direction of evolution as indicated by the fossil record; the origin of life and the evolution of genes, proteins and cellular particulates; biochemical and physiological adaptations; evolutionary aspects of behavior and development; and the origin of man. Four classroom hours and four hours of laboratory work per week.

Requisite: Biology 21. Required for biology majors. Elective for Juniors, or for Sophomores with the consent of the instructor. First semester. Professor Zimmerman.

26. Diversity in Biological Systems. A modern natural history, the course will present a comparative survey of adaptive strategies in animals and plants throughout the world. Three classroom hours and four hours laboratory or field work per week.

Elective for sophomores. Limited to twenty-four students. Second semester. Professor Brower.

30. Biochemistry. A study of the structure and function of biologically important molecules and their role(s) in life processes. Four classroom hours and four hours of laboratory work per week.

Requisite: One semester of organic chemistry and one semester of biology. The biology requirement may be waived for chemistry majors. Second semester. Professors Godchaux and Waggoner.

40f. Aquatic Ecosystems. An integration of physical, chemical, and biotic aspects of lakes and streams designed to engender a synthetic view of the dynamics of aquatic ecosystems. Emphasis will be placed on nutrient cycling, energy flow, systems interactions and disturbance effects. Three classroom hours and four hours of laboratory work per week.

Elective for Sophomores. Limited to twelve students. First semester. Professor Fisher.

41. Ecology. A study of the interrelations of living organisms and their environment. The natural regulation of animal numbers, problems of population, natural selection, and the origin and distribution of species will be discussed. Three classroom hours and four hours laboratory or field work per week.

Requisite: Biology 21 or the consent of the instructor. Elective for Juniors. First semester. Professor Brower.

42. Bacteriology. A study of the ecology, physiology, and biochemistry of microorganisms, with special emphasis on the non-pathogenic bacteria. Three classroom hours and four hours laboratory per week.

Elective for Juniors. Limited to twenty students. Second semester. Omitted 1971–72. Professor Leadbetter.

43. Comparative Physiology. A study of aspects of the functioning of various systems of selected animals, both vertebrate and invertebrate. Three classroom hours and four hours laboratory per week.

Requisite: one semester of biology. Elective for Juniors. Limited to twelve students. First semester. Omitted 1971–72.

47. Advanced Developmental Biology. An analysis of current views of development at the cellular and biochemical levels with special attention to the genetic control of embryonic differentiation and to cellular interaction in morphogenesis. Three classroom hours and four hours laboratory per week.

Requisite: Biology 22. Elective for Juniors. Limited to twelve students. First semester. Professor Karfunkel.

48. Microbial Genetics. A study of gene transmission, expression and recombination in viruses, bacteria and fungi. Three classroom hours and four hours laboratory per week.

Requisite: Biology 21. Limited to twelve students. Second semester. Omitted 1971–72. Professor Jones.

49. Topics in Cell Physiology. A study of the relationship of structure to function at the subcellular level, with emphasis on molecular mechanisms. Three classroom hours and four hours of laboratory per week.

Requisite: Biology 30. First semester. Professor Godchaux.

52. Seminar in Genetics. A study in depth of one of several topics in genetics. Topics will vary from year to year. Primary sources will be used when available. Three hours per week.

Requisite: Biology 21 and the consent of the instructor. Elective for Juniors. Limited to fifteen students. Second semester. Professor Jones.

54. Seminar in Radiation Biology. A study of selected problems of current interest in radiation biology. The topics will vary from year to year. Exten-

sive use will be made of primary sources. Two classroom hours per week. Students who take Biology 54 will not be allowed to take Biology 52, and *vice versa.*

Requisites: Biology 21 and 30. Elective for Seniors not honoring in Biology. Limited to twelve students. Second semester. Omitted 1971–72. Professor Yost.

56. Seminar in Animal Behavior. Physiological, genetic and evolutionary aspects of invertebrate and vertebrate behavior. The emphasis on topics will vary from year to year. Two and occasionally three classroom hours per week. Does not satisfy departmental requirements for Biology Honors candidate.

Requisite: Biology 21 or Biology 11 and 12, and consent of the instructor. Second semester. Omitted 1971–72. Professor Zimmerman.

77. Biology Honors. All honors students will take this course. The work consists of a combined seminar, specialized seminars, and individual research. Students will elect one of the following specialized seminar courses with the approval of the Department: Biochemistry and Microbiology, Evolution, Developmental Biology, Genetics, and Radiation Biology. The course is designed for honors candidates but is open to other advanced students with the consent of the Department.

Elective for Seniors. First semester. The Staff.

D78. Biology Honors. A continuation of Biology 77. A double course. Elective for Seniors. Second semester. The Staff.

97, H97. Special Topics. Independent Reading or Research Course. Half or full course, as arranged.

First semester.

98, H98. Special Topics. Independent Reading or Research Course. Half or full course, as arranged.

Second semester.

BIOPHYSICS

Advisory Committee: Professors Kropf (Chairman), Romer and Yost and Visiting Professor Mirolli.

A student may receive the B.A. degree from Amherst with an interdepartmental major in biophysics. This program is designed for those few capable students who either wish the breadth of experience this program provides or who wish to prepare for graduate study. The major is organized around

course offerings of the various science departments whose disciplines are fundamental to work in biophysics.

Major Program. Each student, in consultation with the Chairman of the advisory committee, will construct a program which will provide for a basic grounding in biology, chemistry and physics with supporting work in mathematics. The courses selected will introduce the student to each of the sciences basic to biophysics, and in addition enable him to reach a sufficient level of sophistication in the basic sciences so as to be able to understand current problems in biophysics. A typical program would be:

Physics: 13, 14 and two more advanced courses.

Chemistry: 11, 12 and several more courses in physical, organic and biochemistry.

Mathematics: 11, 12 and some more advanced work in calculus and differential equations.

Biology: 21 and other work in molecular biology.

Problems of Inquiry 3 is not required of biophysics majors.

All biophysics majors are expected to attend the biophysics seminar, where topics of current interest in biophysics are discussed. It is important that a prospective biophysics major consult with the biophysics advisor early in his academic career in order to determine his course selections and prospective seminar and honors work.

Honors Program. Candidates for the degree with honors should elect Biophysics 77 and D78 in addition to the above program. An honors candidate may choose to do his senior honors work with any faculty member from the various science departments who is willing to direct relevant thesis work. The comprehensive examination will be administered by members of the advisory committee.

77, D78. Biophysics Honors. The work consists of a seminar dealing with problems of current interest in biophysics and the preparation of a thesis based upon an individual investigation under the direction of a faculty member. Full course first semester. Double course second semester.

The Committee.

97, H97, 98, H98. Special Topics. Independent Reading. Full or half course. First and second semesters.

BLACK STUDIES

Professor Davis (Chairman); Visiting Associate Professor Uya; and Visiting Lecturer Jackson.

Black studies is an interdisciplinary program drawn from offerings at the Five Colleges that emphasizes the development, experience and achieve-

ments of black peoples in the United States, the Caribbean and Africa. A list of other appropriate courses offered under Five-College Afro-American Studies at Hampshire, Smith and Mount Holyoke Colleges and the University of Massachusetts is available in the Registrar's Office.

Major Program. A student who majors in Black Studies may expect to take ten courses in the program, including the introductory course (Black Studies 11), a required seminar in his junior year (Black Studies 68), and a program of eight other courses, including a Senior Seminar, selected in consultation with faculty advisors, at least four of which will exhibit a coherent structure relevant to a theme, a discipline, or a geographical area.

A major may also expect, with the consent of the department chairman, to be able to spend one semester at another educational institution in the spring semester of his sophomore year or during his junior year.

11. An Introduction to Black Studies. An interdisciplinary investigation of the development, experience and achievements of black peoples in Africa and the Americas. This course will involve an analytical assessment of the growth of the phenomena of "African Personality" and of "Black Identity" in Africa and America, respectively. These will then be incorporated within or compared to the concept of "Negritude," the trans-Atlantic ethnic and cultural idea which, by accentuating their common heritage, binds Africans and people of African descent together.

First semester. The Department.

50. African Elements in Brazil, Latin America and the Caribbean. A survey of the impact of African cultural elements in these areas. Emphasis is placed on African eschatological ideas; religious, philosophical and ethical notions; ideas of secret societies and their impact on the family, church, music, and language. Consideration will also be given to the social, political, and economic life in the respective areas. Much of the reading will be taken from Portuguese works translated into English and, where relevant, from French. A paper will be required.

Second semester. Professor Davis.

51. African Nationalism. The course will be concerned with traditional and ideological factors in African nationalism. The first part will examine Independent Church ideas: Ethiopianism, Zionism, Messianism, in the light of actual patterns of conduct in West, Central and South Africa. The second part will devote special attention to an assessment of political ideas as stated by a number of Africans in the nineteenth and twentieth centuries. Their relation to the evolution of African political parties and the emergence of independent states will also be considered. The course will be built around such concepts as "the political leader as a representative of a culture"; "the basis for African liberation"; "problems of multi-ethnic communities."

Limited to twenty-five students. First semester. Professor Davis.

55. Topics in Afro-American History. The history of black leadership in the South during Reconstruction.

First semester. Professor Uya.

62. Introduction to Black Religion in Africa and the Americas. An introduction to the main elements of African religion and to their role in the family, clan and tribe. Consideration will be given to variant cosmologies (Zulu, Yoruba, Fons, Ethiopian). Africanized Islamic elements will also be considered. The second part of the course will consider continuities and discontinuities in black religiosity as exemplified in the persistence of certain practices, beliefs and rituals across major changes brought on by slavery in the Americas. Specific attention will be given to syncretisms and assimilations. One two and one-half hour session per week.

Elective for Sophomores and Juniors. Second semester. Professor Davis.

63. Comparative Slave Systems in Africa and the Americas. This course will focus upon the distinction between "slave-trade" and "slavery" in Africa, the anatomy of African slavery systems and their relation to community. It will also explore some of the major differences between slavery in Africa with that of the New World. The emphasis is on giving the student some understanding in depth of the variations between slave systems and their relation to the economic, religious and cultural situations confronting people of African ancestry.

Admission by consent of the instructor. To alternate with History 69. First semester. Professor Davis.

65. Economic Problems for Emerging African States.

First semester. The Department.

66. Development of Black Business and Financial Institutions. This will involve current problems of Afro-Americans in urban communities.

Second semester. The Department.

67. Patterns of Black Politics.

First semester. Mr. Jackson.

African History to 1880. See History 69.

Requisite: Previous course work in the Department of History or the consent of the instructor. First semester. Omitted 1971–72. Professor Davis.

Modern African History. See History 70.

Requisite: History 69 or the consent of the instructor. Second semester. Professor Davis.

Central and South Africa in the Nineteenth-Twentieth Century. See History 75.

First semester. Professor Davis.

77, 78. Senior Seminar. Seminar for Seniors in Black Studies.
First and second semesters. The Department.

97, H97. Special Topics. Independent Reading Course. Full or half course.
First semester. The Department.

98, H98. Special Topics. Independent Reading Course. Full or half course.
Second semester. The Department.

The following courses are available for inclusion in a Black Studies program in 1971–72:

Seminar in Race and Genetics. See Biology 52.
Requisite: Biology 21 and the consent of the instructor. Elective for Juniors. Limited to fifteen students. Second semester. Professor Jones.

The Economcis of Urban Problems. See Economics 23.
Requisite: Economics 11. First semester. Professor Kohler.

Race and Ethnicity in American Literature. See English 66f.
Elective for Sophomores. First semester. Professor Guttmann.

Race in American History. See History 67.
Limited to twenty-five students. First semester. Professor Hawkins.

Modern Africa: The Intellectual Heritage. See History 76.
Limited to fifteen students with consent of the instructor. Second semester. Professor Gifford.

Politics in Developing Nations. See Political Science 44.
Second semester. Mr. Schloming.

Religion in America. See Religion 34.
Requisite: Religion 11 or consent of the instructor. Elective for Juniors. Second semester. Professor Morgan.

Special Topics in Religion. (Religion among the Yoruba). See Religion 62.
Requisite: Religion 11 or Anthropology 11 or 31, or consent of the instructor. Second semester. Professor Pemberton.

American Social Structure. See Sociology 12.
Elective for Freshmen. Second semester. Professor Dizard.

Social Change. See Sociology 30f.
Requisite: Anthropology 11, or Sociology 11 or 12. Elective for Juniors. First semester. Professor Dizard.

CHEMISTRY

Professors Fink (Chairman), Kropf and Silver; Associate Professor Sargent; Assistant Professors Hove, Kittelberger, Martin, Offenhartz* and Waggoner.

Major Program. A student considering a major in chemistry should consult a member of the Department as early as possible, preferably during his freshman year. This will help the student elect a program which best fits his interests and abilities and which makes full use of his previous preparation. Programs can be arranged for students considering careers in chemistry, chemical physics, biochemistry, biophysical chemistry, medical research, medicine, and secondary school science teaching.

The minimum requirements for a major in chemistry are Chemistry 12, 30 or 50, 43, 44, 47, 48, Mathematics 12, and Physics 13 plus one physics course more advanced than Physics 13. Chemistry majors may omit Problems of Inquiry 3, and should take Chemistry 11 and 12 and Mathematics 11 in the freshman year.

Honors Program. A candidate for the degree with honors will also elect Chemistry 77 and D78 in the senior year. It would be helpful in pursuing an honors program for the student to have completed physical and organic chemistry by the end of his junior year. However, either of these courses may be taken in the senior year in an appropriately constructed honors sequence. Honors programs for exceptional interests, including interdisciplinary study, will be arranged on an individual basis by the departmental advisor.

Honors candidates will attend the chemistry seminar during their junior and senior years, participating in it actively in the senior year. All chemistry majors should attend the seminar in their senior year. At this seminar discussions of topics of current interest will be conducted by staff members, visitors and students.

In the senior year an individual thesis problem will be selected by the honors candidate in conference with some member of the Department. Current areas of research in the Department are: theoretical chemistry; quantum mechanical calculations for porphyrin and other compounds; conformational changes in biological macromolecules; lipid and protein chemistry of the biological membranes of nerves and red blood cells; nucleophilicity of carbon-carbon bonding electrons; reactions of aromatic anions; chemistry of the visual process; mechanism of organic reactions; enzyme catalyzed processes; studies of compounds with unusual magnetic and electrical properties; coordination chemistry and reaction mechanisms in inorganic systems; nuclear chemistry; fundamental kinetics in gaseous systems and at solid

*On leave 1971–72.

surfaces studied by molecular beam techniques; photochemistry; spectroscopic studies of the solid state; and biochemistry.

Each candidate will submit a thesis based upon his research work. Recommendations for the various levels of honors will be made by the Department on the basis of the thesis work, the comprehensive examination, and course performance.

Distribution Sequences. Distribution sequences may be satisfied in chemistry in the following ways:

Two-course sequence

a) Any two courses in chemistry, except Chemistry 10f.

b) Chemistry 11 or 12 and Biology 21 or Physics 13 or a physics course for which Physics 13 is prerequisite

Three-course sequence

a) Any three courses in chemistry, except Chemistry 10f.

b) Chemistry 11 and 12 and Biology 21 or Physics 13 or a physics course for which Physics 13 is prerequisite

Unless otherwise specified, all courses are open to freshmen.

10f. Fundamental Concepts of Physical Science. By focusing on topics of fundamental significance in physical science, the course is designed to enable students with a limited background, but a serious interest in science, to profit more fully from established departmental sequences in chemistry and physics.

Students with the following backgrounds might consider seeking admission to the course prior to enrolling in Chemistry 11 or Physics 13:

a. No secondary school chemistry or physics.

b. A secondary school chemistry or physics course which the student feels did not provide a fundamental background in the basic concepts of the discipline.

This course is designed for students who intend to undertake substantial work in science at Amherst (i.e. at least Chemistry 11, 12, and Physics 13, 14) and will not be appropriate to students seeking to satisfy distribution requirements. Four hours of classroom work and four hours of laboratory per week. Offered only when there is sufficient need.

Elective for Freshmen with the consent of the instructor. First semester.

11. Introductory Chemistry. Beginning with a discussion of the origin and formation of the elements, this course will study the structure of atoms, the formation of molecules, the nature of interatomic and intermolecular forces, the nature of chemical reactions in terms of rate and position of equilibrium, and the chemical basis of biological processes. Three class hours and three hours of laboratory per week.

Elective for Freshmen. First semester. Professor Fink and staff.

11s. Introductory Chemistry. Same description as Chemistry 11. Elective for Freshmen. Second semester.

12f. Chemical Principles. An examination of the relationships among structure, stability, and chemical change. The thermodynamic and kinetic criteria for stability of both inorganic and organic compounds will be investigated. Topics such as geometrical and structural isomerism, physical methods of structure determination, the use of thermodynamics in determining the position of equilibrium in inorganic, biochemical, and organic reactions, and the use of chemical kinetics in the determination of the rate of attainment of equilibrium will be discussed. Appropriate laboratory work will be performed. Four class hours and three hours of laboratory per week.

Requisite: Chemistry 11 (This requirement may be waived for exceptionally well prepared students. Consent of the instructor is required.), Mathematics 11 or its equivalent. Elective for Freshmen. First semester. Professors Kropf and Silver.

12. Chemical Principles. Same description as Chemistry 12f. Elective for Freshmen. Second semester. Professor Kropf and staff.

Colloquium in Environmental Chemistry and Physics. See Colloquia, p. 178. Enrollment is limited; permission of the instructors required. Second semester. Professors Fink, Romer, and Yost.

Biochemistry. See Biology 30. Requisites: One semester of organic chemistry and one semester of biology. The biology requirement may be waived for chemistry majors. Second semester. Professors Godchaux and Waggoner.

43. Organic Chemistry. Structure, properties, and reactions of organic chemical compounds. Special emphasis is placed upon the effect of structure on reactivity. Topics include spectral properties, conformational analysis, reaction mechanisms, modern synthetic methods, and biochemical applications. Laboratory work emphasizes methods of separation and purification, instrumental analysis, multistep syntheses, kinetic determinations, and organic qualitative analysis. Three to four hours of lecture and discussion and four hours of laboratory per week.

Requisite: Chemistry 12 or equivalent. First semester. Professors Sargent and Silver.

44. Organic Chemistry. A continuation of Chemistry 43. Requisite: A grade of C or better in Chemistry 43, or permission of the instructor. Second semester. Professors Sargent and Silver.

47. Modern Physical Chemistry. Elementary quantum mechanics. Topics include the time-independent Schrödinger equation, approximate methods of solution, applications to the structure and properties of atoms, molecules and solids, the chemical bond, and intermolecular forces. The laboratory includes quantitative spectroscopy and spectrophotometry applied to atoms and molecules. Three hours of lecture and four hours of laboratory per week.

Requisite: Chemistry 12 or equivalent. Physics 14 or a course more advanced than Physics 14, and Mathematics 12. First semester. Professor Kittelberger.

48. Modern Physical Chemistry. Equilibrium statistical thermodynamics and kinetics. Topics include Fermi-Dirac, Bose-Einstein and Boltzmann statistics, applications to ideal gases, crystalline solids and an introduction to theories of the liquid state. Theories of chemical reaction rates and energy transfer rates will be developed and applied to gases and solutions. Photochemistry and recent advances in chemical dynamics will be discussed. The laboratory emphasizes the microscopic nature of macroscopic properties of matter, and the dynamics of chemical reactions and energy transfer. Three hours of lecture and four hours of laboratory per week.

Requisite: Chemistry 47 or equivalent, or permission of instructor; Chemistry 12 or equivalent, Physics 14 or a course more advanced than Physics 14, and Mathematics 12. Second semester. Professor Kittelberger.

50. Inorganic Chemistry. Significant types and trends of structure, bonding, and reactivity for the chemical elements in general will be examined and compared on the bases of fundamental atomic theory and periodic correlations. Current methods of systematization will be examined on this basis. Current developments in inorganic chemistry will be selected and studied in a similar format.

Requisite: Chemistry 47. Second semester. Professor Hove.

77, D77. Honors Course.
Elective for Senior honors candidates, and for others with the consent of the Department. First semester. The Department.

78, D78. Honors Course.
Elective for Senior honors candidates, and for others with the consent of the Department. Second semester. The Department.

97, H97. Special Topics. A full or half course.
First semester. Consent of the Department is required. The Department.

98, H98. Special Topics. A full or half course.
Second semester. Consent of the Department is required. The Department.

CLASSICS

Professor J. Moore (Chairman); Associate Professor Marshall; Assistant Professors Flory and Lebeck.

Major Program. All courses offered by the Department may be counted toward the major except those numbered 1, 1s, and 3; but of Greek 11 or 12 only one may be counted, and only then if both have been elected. Latin 15–16 will normally be introductory to higher courses in Latin, and Greek 15–16 will serve the same function in Greek. A major may be entirely in Greek or entirely in Latin and will then consist of eight semester courses, two of which may be in related fields. A major in Classics will consist of eight semester courses in the Classics, which may be divided in any proportion between Greek and Latin, except that no fewer than two may be taken in either language. Every *rite* student majoring in the Classics Department, whether in Classics, Greek, or Latin, will write a comprehensive examination in the spring of his senior year. This examination will in general resemble the honors examination described below, except that of course there will be no questions specifically on the candidate's honors work.

Honors Program. Honors may be awarded to those candidates who major in Greek or in Latin or in Classics and who take eight semester courses in the Department. Every honors candidate must include in his program those courses numbered 41, 42, 77 and 78 in either Greek or Latin. He must submit a long essay (6000–7000 words) on some topic connected with his honors work and approved by the Department. He must have read extensively in Greek or Latin literature or both. He must also read independently, i.e., not as a part of the work in a course, approximately 50 pages of some Greek or Latin text selected with the approval of the Department. In the second semester of his senior year he will be given a written examination covering: (a) his honors work; (b) his reading in the classical literatures. The emphasis in this examination will be on the literary and historical interpretation of major authors; there will be considerable latitude of choice among various optional questions. The award of honors will be determined by the quality of the candidate's course work, of his essay, and of his performance in the general examination.

The Department will cooperate with other departments in giving combined majors with honors.

Distribution Sequences. The following courses may be offered in satisfaction of the distribution requirement: Latin 15, 16, 28, 41, 42; Greek 12 if Greek 11 has also been elected, and *vice versa;* Greek 15, 16, 41, 42; Classics 23, 24, 32, 33.

The statement of requisites given below is intended only to indicate the degree of preparation necessary for each course, and exceptions will be made in special cases.

For students beginning the study of Greek the following sequences of courses are normal: Either 1, 12, 11, or 1s, 11, 12.

Classics

23. Classical Civilization. A study of the civilization of Greece from Homer to Alexander and its contribution to the civilization of the West. Readings from Greek literature will be included among the materials of the course. No knowledge of the ancient languages is required. Three hours of classroom work per week.

Elective for Sophomores. First semester. Professor Moore.

24. Classical Civilization. A study of Roman civilization and its contribution to the civilization of the West. Readings from Latin literature will be included among the materials of the course. No knowledge of the ancient languages is required. Three hours of classroom work per week.

Elective for Sophomores. Second semester. Professor Marshall.

32. Problems in Greek Civilization. Topics of particular interest in Greek civilization, such as: Greek political experience and ideas; the transition from mythological to scientific and philosophical modes of thought; the Greek view of human nature. Subjects will be studied in greater depth than is possible in Classics 23. All reading will be in English. Written and oral presentations will be offered by students at intervals during the semester.

Requisite: Classics 23 or consent of the instructor. Seminar course, restricted to fifteen students. Second semester. Professor Moore.

33. Problems in Roman Civilization. An examination of specific areas of Roman life and thought which have been particularly influential in Western civilization. Topics will include: Religions in Rome; the use and abuse of propaganda; government—theory and practice. Subjects will be studied in greater depth than is possible in Classics 24. All reading will be in English.

Requisite: Classics 24 or consent of the instructor. Seminar course, restricted to fifteen students. First semester. Professor Marshall.

Ancient and Modern Literature. See Colloquia, p. 179.

Limited to fifteen students. Elective for Juniors with the consent of the instructors. Second semester. Professors Epstein and Moore.

Greek

1. Introduction to the Greek Language. Attic Greek. Four hours of classroom work per week. This course is normally followed by Greek 12.

Elective for Freshmen. First semester. Professor Flory.

1s. Introduction to the Greek Language. Homeric Greek. Four hours of classroom work per week. This course is normally followed by Greek 11.

Elective for Freshmen with the consent of the instructor. Second semester. Professor Moore.

11. The Iliad. Four hours of classroom work per week.

Requisite: Greek 1s or 12. Elective for Freshmen. First semester. Professor Moore.

12. Plato's Apology. Four hours of classroom work per week.

Requisite: Greek 1 or 11. Elective for Freshmen. Second semester. Professor Lebeck.

15. Greek Tragedy. One or two tragedies will be read. Three one-hour class meetings per week.

Requisite: Greek 12 or its equivalent. Elective for Freshmen. First semester. Professor Lebeck.

16. Readings from the Odyssey and from the Lyric Poets. Three one-hour class meetings per week.

Requisite: Greek 15 or its equivalent. Elective for Freshmen. Second semester. Professor Flory.

H21s. Greek Prose Composition and Style. This course is designed to strengthen and refine the student's mastery of the Greek language. There will be two principal types of exercise, *viz.:* (a) translation of English passages into Greek and original composition in Greek; and (b) close scrutiny of selected passages of classic Greek prose. One hour of classroom work per week. A half course.

Elective for Sophomores. Second semester. Offered in alternate years. Omitted 1971–72.

41, 42. Advanced Readings in Greek Literature. The authors read in these courses vary from year to year, the selection being made according to the needs of the students; but as a general practice Greek 41 will be devoted in alternate years to Greek tragedy and to Plato. In 1971–72 Plato will be read in Greek 41, and the Lyric Poets in Greek 42. Two or more hours of classroom work per week.

Requisite: Greek 15 or 16. Seminar course elective for Juniors. First and second semesters. Professor Lebeck (first semester); Professor Moore (second semester).

77, D78. Senior Honors Course. Greek 78 is a double course.
First and second semesters.

97, 98. Special Topics.
First and second semesters. Members of the Department.

Latin

3. Intermediate Course. Review of Latin grammar; selections from Latin prose and poetry. Four one-hour class meetings per week.
Requisite: Two or three entrance units in Latin. Elective for Freshmen. First semester. Professor Marshall.

15. Catullus. Attention will be given to Catullus as a literary artist and interpreter of the society of the late Republic. Three one-hour class meetings per week.
Elective for Freshmen. First semester. Professor Flory.

16. Virgil's Eclogues and Horace's Odes. Three one-hour class meetings per week.
Requisite: Latin 15, or four entrance units in Latin. Elective for Freshmen. Second semester. Professor Marshall.

H21s. Latin Prose Composition and Style. A course designed to strengthen and refine the student's mastery of the Latin language. There will be two principal types of exercise, *viz.:* (a) translation of English passages into Latin and composition in Latin; and (b) close scrutiny of selected passages of classic Latin prose. One hour of classroom work per week. A half course.
Elective for Sophomores. Offered in alternate years. Second semester. Professor Lebeck.

H27. Latin Poetry: Lyric and Pastoral. Intended for students of literature who wish to acquire some knowledge of the influence of Latin poetry on the English literary tradition. Poems of Catullus, Horace, and Virgil will be read and interpreted from a literary point of view, and attention will be paid to similar poems in English. Students must have some knowledge of Latin and some familiarity with poetry. Two hours of classroom work per week. A half course.
Elective for Sophomores with the consent of the instructor. Limited to fifteen students. First semester. Professor Moore.

28. Virgil's Aeneid. At least three books will be read in Latin, and the whole work will be examined in translation. Three hours of classroom work per week, with one additional hour for students needing more help in the language.

Requisite: Latin 3 or the consent of the instructor. Elective for Freshmen. Second semester. Professor Lebeck.

41, 42. Advanced Readings in Latin Literature. The authors read in these courses vary from year to year, the selection being made according to the interests and needs of the students. Two hours of classroom work per week. Seminar course.

Requisite: Latin 15 or 16 or the consent of the instructor. Elective for Juniors. First and second semesters. Professors Marshall (first semester) and Flory (second semester).

77, D78. Senior Honors Course. Latin 78 is a double course.
First and second semesters.

97, 98. Special Topics.
First and second semesters. The Department.

Colloquia. See page 178.

Common Studies. See page 180.

DRAMATIC ARTS

Professors Boughton (Chairman) and McGoun; Assistant Professors Bierman and Warner.

Major Program. Rite majors will complete Dramatic Arts 11 and seven additional courses in Dramatic Arts (selected in conference with the department) including two courses in theater production and two courses in dramatic literature.

Honors Program. Honor candidates will include Dramatic Arts 77–78 as two of the seven courses selected.

Distribuiton Sequences. The two-course sequence will consist of Dramatic Arts 11 and either Dramatic Arts 21, 22f, 23s or 44. The three-course sequence will consist of Dramatic Arts 11 and either Dramatic Arts 31–32 or two courses selected from Dramatic Arts 21, 22, 23, 44.

11. Introduction to the Theater. A consideration of the materials of creative expression in drama; an appreciation of the playwright's work and how his script is brought to fruition in production. Four hours of classroom work per week.

Elective for Freshmen. First semester. Professors Boughton and McGoun.

21. Classical Drama. A study of classical traditions in ancient Greek and Rome, Medieval and Renaissance theater. Three hours of classroom work per week.

First semester. Omitted 1971–72. Professor Bierman.

22f. Eighteenth and Nineteenth Century Continental European Drama. An examination of the decline of classicism in early eighteenth century theater and the subsequent rise of the middle-class drama, romanticism, realism and naturalism. Three hours of classroom work per week.

First semester. Professor Bierman.

23s. Problems in Twentieth-Century Drama. For 1971–72, this course will examine the battle of the literate versus the non-literate theater in the twentieth century. It will consider in what directions the continued tension between Establishment and Avant-Garde has moved the theater. Three hours of classroom work per week.

Second semester. Professor Bierman.

31. Principles of Dramatic Production. A study of directing, acting, scene design and stage lighting considered as instruments of dramatic interpretation. Four hours of classroom work per week.

Elective for Sophomores. First semester. Professors Boughton and Warner.

32. Principles of Dramatic Production. Continuation of Dramatic Arts 31, culminating in public performance. Four hours of classroom work per week.

Requisite: Dramatic Arts 31. Elective for Sophomores. Second semester. Professors Boughton and Warner.

44. Art of the Film. History of the development of film art by viewing and analysis of significant films from the beginning to the present day, with emphasis on the development of film syntax and the forming of a critical vocabulary. Approximately four hours of classroom work per week: two in film showings and two in a lecture-discussion period.

Admission with the consent of the instructor. Second semester. Professor Bierman.

51. Seminar in Dramatic Literature. 1971–72: Molière. A detailed study of the plays of Molière with a special consideration of his role in the formation of a tradition of comic dramaturgy and of his career as a man of the theatre.
A reading knowledge of French required. First semester. Professor Bierman.

52. Seminar in Dramatic Literature.
Admission with the consent of the instructor. Second semester. Professor Bierman.

53. Seminar in Stage Lighting.
Admission with the consent of the instructor. First semester. Professor McGoun.

54. Seminar in Stage Lighting.
Admission with the consent of the instructor. Second semester. Professor McGoun.

55. Seminar in Scene Design.
Admission with the consent of the instructor. First semester. Professor Warner.

56. Seminar in Scene Design.
Admission with the consent of the instructor. Second semester. Professor Warner.

58. Seminar in Directing.
Admission with the consent of the instructor. Second semester. Professor Boughton.

77. Conference Course. Conference course for honors candidates in dramatic arts.
Elective for Seniors. First semester. The Department.

78. Conference Course. Continuation of Dramatic Arts 77 for honors candidates in Dramatic Arts.
Elective for Seniors. Second semester. The Department.

97, H97. Special Topics. Independent Reading Course. Full or half course.
Admission with the consent of the instructor. First semester. The Department.

98, H98. Special Topics. Independent Reading Course. Full or half course.
Admission with the consent of the instructor. Second semester. The Department.

ECONOMICS

Professors Aitken, Beals (Chairman), Collery, Kohler‡, and Nelson; Assistant Professors Breneman, Nicholson*, and Sears.

Major Program. All students majoring in economics must take Economics 11, 13, 14, 45 (or other preparation in statistics with the consent of the Department), and Mathematics 11. In addition, *rite* students must take Economics 73, 74, and at least one other course in economics, while honor students must take Economics 77, 78, and at least one other course in economics.

Students intending to proceed with graduate study in economics are strongly advised to take Mathematics 12.

Each candidate for a degree in economics will have to pass a comprehensive examination in his senior year. The examination will be given at the end of the first semester. The student will also be examined in May on the content of his thesis.

Distribution Sequences. A two-course distribution sequence in economics will consist of Economics 11 and any other course in economics. A three-course distribution sequence will consist of Economics 11 plus two other courses in economics.

Unless otherwise specified, all courses are open to freshmen.

11. An Introduction to Economics. A study of the central functions and problems of an economic system, of the principles and practices of our economy, and of other forms of economic organization and control. One lecture and three hours of discussion per week.

Requisite for all other courses in economics. First semester. Professors Aitken, Beals, Breneman, Collery, Kohler (Course Chairman), and Sears.

11s. An Introduction to Economics. Same description as above.

Second semester. Professors Collery (Course Chairman), Nelson, and Sears.

13. Money, Banking, and National Income. A study of money and finance and their relation to the functioning of an economic system. An introduction to the theory of income determination with an indication of the role that money and finance play in the determination of employment, production, and prices. Two lectures and two hours of discussion per week.

Requisites: Economics 11 and Mathematics 11 or equivalent. First semester. Professor Collery.

*On leave 1971–72.
‡On leave second semester 1971–72.

14. The Theory of Price. An introduction to the theory of utility and demand; the nature of cost and the production function; diminishing returns and short-run cost curves; returns to scale and long-run cost curves; competitive pricing; the pricing of productive services; the theory of monopoly; the theory of oligopoly; cartels and unions; the distribution of income; general equilibrium. Three class hours per week.

Requisites: Economics 11 and Mathematics 11 or equivalent. Second semester. Professor Beals.

21s. Human Resources. A study of manpower economics and welfare policy in the context of the United States economy. Effects of investment in human capital, discrimination, and other economic-political factors on the distribution of income will be explored. Three class hours per week.

Requisite: Economics 11. Second semester. Professor Sears.

23. The Economics of Urban Problems. An inquiry into the nature and causes of the contemporary crisis of urbanized society as evidenced by poverty, slum housing, urban sprawl, traffic congestion, and the pollution of air, soil, and water. The theoretical basis for dealing with these problems is developed. Three class hours per week.

Requisite: Economics 11. First semester. Professor Kohler.

24. The American Economy. An examination of the structure and operation of the economic system of the United States, with particular emphasis upon the different types of markets and industrial structures, the role and behavior of the price mechanism, the evolution of public policies, and selected current economic issues. Two lectures and two hours of discussion per week.

Requisite: Economics 11. Second semester. Professor Nelson.

25. Monopoly Regulation. The theory of monopoly pricing and price discrimination; objectives and methods of public control of prices, profits, and service by public utilities and transportation agencies. Three class hours per week.

Requisites: Economics 11 and Economics 14 or 24. First semester. Professor Nelson.

27. European Economic History. An examination of the economic development of Europe from feudal times to the present day with emphasis on the evolution of industrialism. One two-hour seminar per week.

Requisite: Economics 11. First semester. Professor Aitken.

28. American Economic History. A study of the economic development of

the United States from colonial times to the present day. One two-hour seminar per week.

Requisite: Economics 11. Second semester. Professor Aitken.

31s. Public Finance. Emphasis will be on problems of resource allocation, with special reference to non-market economics and to the public sector. Elements from game and decision theory, organization theory, and cost-benefit analysis will be introduced and evaluated in a policy-oriented context. Examples will be drawn from the economics of education, medical economics, and the economics of crime. Three class hours per week.

Requisite: Economics 11. Second semester. Professor Breneman.

32. Problems in Economic History. An advanced seminar in economic history intended primarily to provide further training in analysis, bibliography, and interpretation. One two-hour seminar per week.

Requisites: Consent of instructor and either Economics 27 or 28. Limited to fifteen students. Second semester. Professor Aitken.

33. Medical Economics. An analysis of the United States system of medical care, with emphasis upon the supply and distribution of medical personnel, the financing of health care, the problems of rising hospital costs, and evalution of alternative organizational forms for delivery of medical care. The course will be offered once every two years and should be of special interest to pre-med students. One two-hour seminar per week.

Requisite: Economics 11 or consent of instructor. First semester. Omitted 1971–72. To be offered in 1972–73. Professor Breneman.

35. The World Economy. An examination into the problems of economic relationships among countries with emphasis on balance-of-payments problems, political problems of trade restrictions, international cooperation, and imperialism. Three class hours per week.

Requisite: Economics 11. First semester. Professor Sears.

36. Economic Development. An examination into the problems of economic growth with particular reference to less developed countries; the interaction of economic and noneconomic factors, population growth and the labor force, capital requirements, market development, foreign investment and aid, and the role of government. Case materials from selected countries will be used. Three class hours per week.

Requisite: Economics 11. Second semester. Omitted 1971–72. To be offered 1972–73.

38. The Economics of Socialism. A study of the theory and practice of planned economies with particular reference to the Soviet Union and Communist China. Three class hours per week.

Requisite: Economics 11. Second semester. Omitted 1971–72. To be offered 1972–73. Professor Kohler.

45. Economic Statistics. A study of the analysis of quantitative data, with special emphasis on the application of statistical methods to economic problems. Three class hours per week.

Requisites: Economics 11 and Mathematics 11. First semester. Professor Beals.

46. Econometrics. An introduction to some areas of mathematical economics, and to problems of econometric model construction and estimation. Emphasis is placed on the economic content of the methods. Three class hours per week.

Requisite: Economics 45. Second semester. Professor Beals.

73. Senior Rite Seminar. Required of senior *rite* majors in economics. First semester. Professors Breneman and Nelson.

D74. Senior Rite Seminar. Preparation of a thesis on a topic approved by the Department. A double course.

Required of all seniors majoring in economics who are not candidates for Honors. Second semester.

77. Senior Honors Seminar.

Required of all seniors majoring in economics who are candidates for Honors. First semester. Professors Breneman and Nelson.

D78. Senior Honors Seminar. Preparation of a thesis on a topic approved by the Department. A double course.

Required of all seniors majoring in economics who are candidates for Honors. Second semester.

97, H97. Special Topics. Independent Reading Course. A full course or a half course. First semester.

98, H98. Special Topics. Independent Reading Course. A full course or a half course. Second semester.

Education. See page 182.

ENGLISH

Professors Cameron, Cody (Chairman), Craig,‡ DeMott, Guttmann, Heath,‡ Marx and Pritchard; Associate Professors Chickering and Townsend and

‡On leave second semester 1971-72.

Visiting Lecturer Mr. Boles; Assistant Professors Brinton, Holdreith, Peterson and Sofield.

Major Program. The student majoring in English must elect English 11 and six other semester courses offered or approved by the English Department. He must also pass a comprehensive examination in English that is given in January of the senior year. He should plan his program carefully in consultation with his departmental advisor, taking into account both his own particular interests and needs and the comprehensive examination requirements.

Students in all classes who have enrolled as majors or who intend to do so should obtain a department statement about planning programs from the English Department Office in Johnson Chapel as early as possible, preferably before the registration period begins.

Honors Program. Exactly as above, except that candidates for honors must also elect, in their senior year, English D77.

Distribution Sequences. The student may satisfy the requirement for a two-course sequence by electing English 11 and any other course in the Department (except English 21 or English 22). Any third course in the Department (except English 21 or English 22) may be used to create a three-course sequence. Other sequences may be proposed but require the approval of a member of the Department.

N.B. The English Department does not grant advanced placement on the basis of College Entrance Examination Board scores. The character of the departmental offering is not such as to make advanced placement a meaningful idea. English 11 is conceived as a course of interest to students at any level of preparation in the study of English.

Unless otherwise specified, all courses are open to Freshmen.

11. Writing and Reading. Intended to be of general interest to students in the College. An examination of some of the imaginative uses of language through frequent composition and close reading of literary and non-literary materials. Three class meetings a week.

Elective for Freshmen. First semester. Professor Chickering (Chairman) and members of the Department.

12. A Critical Perspective on English Literature. A reading of selected major works, to acquaint the student with the literary imagination. Three class meetings a week.

Elective for Freshmen. Second semester. Professors Chickering and Cody.

21. Advanced Composition. A course in disciplined writing, both verse and prose. Students are expected to work independently without specific assignments. Class discussions of manuscripts and frequent conferences with the instructor. One two-hour meeting per week.

Elective for Sophomores with the consent of the instructor. Limited to fifteen students. First semester. Mr. Boles.

22. Advanced Composition. A continuation of English 21. One two-hour meeting per week.

Elective for Sophomores with the consent of the instructor. Limited to fifteen students. Second semester. Mr. Boles.

23. Composition: The Resources and Limits of General Discourse. An attempt to put together the language of specialized knowledge with the language of general concern. Frequently assigned short papers will be the main work and supply the main material (class discussions will be based on mimeographed samples of assigned papers). A final longer paper will move from the consideration of a twentieth century autobiographical document (to be selected in conference with the instructor) to an assessment of the student's own intellectual and social life. Two meetings per week.

Elective for Juniors. Limited to fifteen students. First semester. Professor Craig.

24. Writing Fiction. Class discussion of manuscripts and conferences with instructor. One two-hour meeting per week.

Elective for Juniors and Seniors with the permission of the instructor. Limited to twelve students. Second semester. Professor DeMott.

25. Discussions of Literature. The course is comprised of small discussion sections, each devoted to a single topic. Topics vary from section to section and from year to year. The common aim is, by taking up and criticizing a single topic, to refine the student's awareness of what constitutes the study of literature.

Elective for Freshmen, unless otherwise restricted. No student will be permitted to repeat English 25 more than once. Each section is limited to fifteen, except as noted. Students should elect a particular section of the course, listing alternates if desired. Admission will be determined by the instructor of the section. Requisite: English 11 or the consent of the instructor. First semester. The course may be repeated for credit.

1. THE LITERATURE OF YOUTH AND MATURITY. Nineteenth and twentieth century studies in growing up. Discussion will involve such topics as the generation gap, hypocrisy, conformity, responsibility, the individual in society. Butler, Conrad, Joyce, Hesse, Warren and others. Two meetings per week. Professor Brinton.

3. BLAKE'S *JERUSALEM*. A study of William Blake's *Jerusalem* as poem, prophecy and artifact. Collateral reading in other Blake poems, the Bible, and modern literary criticism. Two meetings a week.

Limited to fifteen Amherst College students. Students from other colleges may be admitted in addition up to seven. Professor Heath.

5. CULTURE AND ITS ALTERNATIVES. The origin and radical criticism of the idea of high culture. Readings in selected poets and critics of the nineteenth century such as Wordsworth, Coleridge, Cobbett, Arnold, and their twentieth century successors. Two meetings a week. Elective for Juniors. Omitted 1971–72. Professor Heath.

7. FICTION. The value of words, the value and traditions of 'story' and the place of the novel now, and in the future, in information communication. Readings will include The Old Testament and works by Lévi-Strauss, Berryman, LeClezio, Tutuola, Fabun, O'Hara, Lowry, and others. One two-hour meeting a week. Mr. Boles.

25s. Discussions of Literature. Same course as English 25.

Requisite: English 11 or the consent of the instructor. Elective for Freshmen. Second semester. The course may be repeated for credit.

2. THE GOTHIC NOVEL AND AMERICAN GOTHIC. Beginning with an investigation of the origins and definitions of "Gothic" fiction, a sustained effort will be made to isolate and identify some recurring thematic concerns in Gothic writings. Discussions will concentrate on an examination of the effects of transplanting a European novelistic tradition onto American, and especially Southern, soil. Readings will span developments in England and America, ranging from Mrs. Radcliffe to Iris Murdoch, from Charles Brockden Brown to Flannery O'Connor. Two meetings a week. Professor Peterson.

4. SMALL TOWN LITERATURE. A study of small towns, carried out through readings, through interviews, and through students' own writings on Amherst, Massachusetts. Among works to be considered are Anderson, *Winesburg, Ohio*; Blythe, *Akenfield*; Dollard, *Caste and Class in a Southern Town*; Lynds, *Middletown*; and Masters, *Spoon River Anthology*. One two-hour meeting a week.

Elective for Sophomores. Professor Townsend.

6. SATIRE. Poetry and prose by a variety of satirists from the eighteenth century to the present. Swift, Byron, Heller, Huxley, Waugh and others. Two one-hour meetings per week. Professor Brinton.

8. RECENT AUTOBIOGRAPHIES. Readings in the autobiographical writings, including poems, essays, letters, articles, and travel sketches as

well as the customary form, by novelists and poets of three generations: Lawrence, Orwell, Nabokov; Mailer, Lowell, Larkin, Amis; Ginsberg, Conroy, and others. Two meetings per week. Professor Sofield.

10. THE POETRY OF ORDINARY LIFE. An examination of a group of writers who possess special gifts of vision and feeling when treating prosaic subjects, together with a few writers who illustrate contrasting virtues of the imagination. Class discussion will explore appropriate ways of talking about literary works closely related to the reader's everyday experience. Selected poems by Hardy, D. H. Lawrence, Keats, Words-worth, Whitman, Philip Larkin and others. Plays and novels of provincial life by Ray Bradbury, Dylan Thomas, Jane Austen, Chekhov, and George Eliot. Two meetings a week. Elective for Sophomores. Omitted 1971–72. Professor Chickering.

12. LITERATURE AND PSYCHOLOGY. A critical reading of selected psychoanalytic works, principally Freudian ones, will prepare us to con-sider what psychoanalysis contributes to our understanding of literature. One two-hour meeting per week. Elective for Sophomores with consent of the instructor. Limited to fifteen students. Professor Holdreith.

27. **Readings in Medieval Literature.** Readings vary yearly. Three class hours per week.
Elective for Freshmen. First semester. Omitted 1971–72. Professor Chick-ering.

28. **Chaucer.** Selected works will be read in the original. Other English authors comparable to Chaucer will also be read. Three class hours per week.
Elective for Freshmen. Second semester. Professor Chickering.

31. **Shakespeare.** Readings and discussion. Two class meetings per week.
Elective for Sophomores. First semester. Professor DeMott.

32. **Shakespeare.** Readings and discussion.
Requisite: English 31. Elective for Sophomores. Limited to twenty stu-dents. One two-hour meeting per week. Second semester. Omitted 1971–72. Professor DeMott.

33. **Sixteenth Century Literature.** Poetry and doctrine; mythology and style; revenge tragedy; comedy; Wyatt, Spenser, Sidney, Ralegh, Kyd, Marlowe, Jonson; some Renaissance humanist writings in translation. Three hours of classroom work per week.
Elective for Sophomores (and Freshmen with permission of the instructor). Second semester. Omitted 1971–72. Professor Cody.

34f. Seventeenth Century Literature. The major authors of poetry, prose, and drama, including Donne, Jonson, Bacon, Herbert, Milton, Hobbes, and Marvell. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with permission of the instructor). First semester. Professor Sofield.

36. Literature and Society, 1660–1780. A study of the prose, poetry and drama of the Restoration and eighteenth century. Dryden, Swift, Pope and others. Two one-hour meetings per week.

Elective for Sophomores (and Freshmen with permission of the instructor). Second semester. Professor Brinton.

Psycholinguistics. See Psychology 36f.

Requisite: Psychology 11 and the permission of the instructor. Elective for Sophomores. Limited enrollment. First semester. Professor Olver.

40f. The Eighteenth Century English Novel. Readings in Defoe, Swift, Richardson, Fielding, Johnson, Sterne, Smollett, and others. Three meetings per week.

Elective for Sophomores (and Freshmen with permission of the instructor). First semester. Professor Holdreith.

43s. Readings in Romantic Poetry. A study of selected major poets of the early nineteenth century. In 1971–72 Blake, Wordsworth and Coleridge will be read. Three class meetings per week.

Elective for Sophomores (and Freshmen with the consent of the instructor). Second semester. Professor Townsend.

45. Victorian Poetry. Tennyson, Browning, Arnold, Hopkins; some attention to lesser figures. Revelant prose writings of Arnold, Mill, Ruskin, and others. Three hours of class per week.

Elective for Sophomores. First semester. Professor Pritchard.

47. The Nineteenth Century English Novel. A course of readings in representative English novels, mainly of the nineteenth century. The books read vary from year to year from among such writers as the following: Scott, Jane Austen, the Brontës, Thackeray, Dickens, Trollope, George Eliot, Hardy, James and Conrad. Three hours of class per week.

Elective for Sophomores. First semester. Professor Cameron.

Introduction to Linguistics. See German 50.

Elective for Juniors, with consent of the instructor. Second semester. Professor Peppard.

50. Twentieth Century Continental Fiction. Novels by Kafka, Mann, Gide, Sartre, Camus, Pasternak, Genet and Grass are read in this course.

Elective for Sophomores (and Freshmen with the consent of the instructor). Second semester. Professor DeMott.

52. Modern and Contemporary Poetry. Poets to be read include Hart Crane, Stevens, Williams, Auden, Lowell, Jarrell, and Larkin. Three hours of class per week.

Elective for Sophomores. Second semester. Omitted 1971–72. Professor Pritchard.

53s. Modern Poetry. A study of the poetry and relevant prose writings of Hardy, Yeats, Pound, the Georgians and Imagists, D.H. Lawrence, Frost and Eliot.

Elective for Sophomores. Second semester. Professor Pritchard.

54. Readings in Modern British Fiction. A study of some novels written in the twentieth century and a consideration of the novelist's position in modern society. Thomas Hardy, Joseph Conrad, D.H. Lawrence, and James Joyce are the central figures. Three hours of classroom work per week.

Elective for Sophomores. Second semester. Professor Guttmann.

56. Literary History of the Great War 1914–1918. The limits of literature studied in relation to the event of war: memoir, journalism, biography, history, fiction, poetry. Some reference to writings on other wars, e.g. Tolstoy, Orwell, Edmund Wilson. One two-hour seminar per week.

Elective for Juniors with consent of the instructor. Limited to fifteen students. Second semester. Omitted 1971–72. Professor Cody.

59. Readings in English Literature. The topic for 1971–72 will be *Utopias and Anti-Utopias:* a study of some literary expressions of the distinction between fantasy and society, ranging from More's *Utopia* and Swift's *Gulliver's Travels* to various twentieth century examples, and concluding with as much of Joyce's *Finnegans Wake* as the class can take. Two meetings per week.

Elective for Juniors. Limited to fifteen students. First semester. Professor Craig.

60f. Readings in American Literature. The topic for 1971–72 will be the interplay of politics and literary culture in America. Among the writers to be considered are Tocqueville, Marx and Engels, the transcendentalists, Whitman, Arnold, Mark Twain, James, Eliot, the southern agrarians, Lionel Trilling, Paul Goodman, Wright Mills and Norman Mailer. Three hours of class per week.

Requisite: At least two semester courses in American literature and consent of the instructor. Limited to fifteen students. Elective for Juniors. First semester. Omitted 1971–72. Professor Marx.

61. American Puritanism. The Puritan strain in American writing, including the work of Taylor, Edwards, Franklin, Hawthorne, Emily Dickinson, Henry

Adams, Robert Lowell, Faulkner, James Baldwin, Norman O. Brown. Three hours of classroom work per week.

Elective for Sophomores. First semester. Omitted 1971–72. Professor Marx.

62. American Renaissance. A study of major writers of the mid-nineteenth century: Poe, Emerson, Thoreau, Hawthorne and Melville. Three hours of classroom work per week.

Elective for Sophomores. Second semester. Omitted 1971–72. Professor Marx.

63s. Realism and Naturalism in American Literature. Readings in the work (among others) of Howells, Mark Twain, Henry James, E.A. Robinson, Crane, Dreiser, Hemingway, and Faulkner. Three hours of classroom work per week.

Elective for Juniors. Limited to sixty students. Second semester. Professors Marx and Peterson.

64f. Visionary Writers in America. The antinomian strain in American writing from Anne Hutchinson to Allen Ginsberg, including works by Emerson, Whitman, Henry James, Henry Miller, Wallace Stevens, and Norman Mailer.

Elective for Juniors. Limited to sixty students. First semester. Professors Marx and Peterson.

65. American Literature: Cosmopolitans and Provincials. The tension between "European" and "native American" perspectives and techniques in the work of Henry James, Mark Twain, Stevens, Frost, Eliot, Williams, Bellow, Faulkner, and Fitzgerald.

Elective for Sophomores. First semester. Omitted 1971–72. Professor Guttmann.

66f. Race and Ethnicity in American Literature. Racial, ethnic and religious commitments and concerns in American writing, including the work of Wright, Ellison, Baldwin, Henry Roth, Bellow and Mailer.

Elective for Sophomores. First semester. Professor Guttmann.

69. Contemporary Cultural Studies. Topics in recent years have included "new journalism," participation theater, the anthologies war, literary and subliterary accounts of space exploration, the discovery of the black experience, pop-historical definitions of "the Sixties." Writings by Barth, Bellow, Mailer, Malcolm X, Nabokov, Pynchon, Laing, and others of recent reputation figure in the work of this course. One two-hour meeting per week.

Elective for Sophomores. Limited to fifteen students. First semester. Professor DeMott.

70. Tragedy. Plays by Sophocles, Shakespeare, Ibsen, Hofmannsthal, Camus, Sartre, Giraudoux, and Anouilh are read in this course. One two-hour class meeting per week.

Elective for Sophomores. Limited to fifteen students. Second semester. Omitted 1971–72. Professor DeMott.

72. Comedy. Plays by Shakespeare, Molière, Congreve, Chekhov, Ibsen, Shaw, Sartre, Ionesco, and Beckett are read in this course. Two class meetings per week.

Elective for Sophomores (and Freshmen with the consent of the instructor). Second semester. Omitted 1971–72. Professor DeMott.

74. Topics in the Novel. The topic for 1971–72 will be "Character in the Novel." Novels by Turgenev, Dickens, Flaubert, Dostoevsky, Tolstoy, James, Proust, and others including contemporary novelists, will be read. Three meetings per week.

Elective for Sophomores (and Freshmen who have taken English 11). Limited to twenty-five Amherst College students. Students from the other colleges may be admitted in addition up to ten. Second semester. Professor Cameron.

75. English and Education. A consideration of the place of English in general culture, and in the curricula of schools and colleges. Literary and pedagogical works will be read. One two-hour seminar a week.

Limited to fifteen Amherst College students. Students from other colleges may be admitted in addition up to seven. First semester. Professor Heath.

76f. Literary Studies. A study of the criticism and, where relevant, the poetry of Johnson, Coleridge, Arnold, Eliot, Leavis, Frye, and others.

Elective for Sophomores. First semester. Omitted 1971–72. Professor Townsend.

D77. Senior Tutorial. Independent work under the guidance of a tutor assigned by the Department. Open to senior English majors with the consent of the Department. First semester.

97. Special Topics. Independent Reading Course. First semester.

98. Special Topics. Independent Reading Course. Second semester.

EUROPEAN STUDIES

Advisory Committee: Professors Birnbaum* and Carré; Associate Professor Ratté; Assistant Professors Peterson and Westfall.

*On leave 1971-72.

European Studies is a major program which provides opportunity for interdisciplinary study of European culture. By combining work in the humanities and social sciences, it enables students to examine diverse facets of European culture and to seek those elements which give it its unity and distinctiveness.

Major Program. The student intending to major in European Studies will normally declare his intention in the spring of his sophomore year. To be accepted into the program the student must demonstrate his ability to read creative and scholarly literature in at least one modern European language. In consultation with the Committee on European Studies, he will plan a program which must include two one-semester interdisciplinary colloquia and select additional courses which will constitute an appropriate European Studies program. As a rule, one colloquium will be taken in the junior year and one in the senior year. In addition, he must elect at least six courses from Divisions I and II in keeping with one of the following schemata: a national cultural experience (e.g. that of modern England); a comparative cultural experience (e.g. French and German institutional development since 1870); or a temporal sequence (e.g. Europe in the Age of the Religious Wars). A junior year abroad devoted to a course of study approved by the Committee on European Studies may substitute for the required colloquia and part of the remaining requirements of the major.

Honors Program. Same as Major Program, except that candidates for honors must elect, as part of their senior year program, European Studies 77 and D78.

Comprehensive Examination. The comprehensive examination will be administered by an examining board of three persons appointed by the Committee on European Studies. It will be framed to fit each student's particular program, taking into account the student's own view of the aim or thrust of his program. It will consist of a written examination to be followed by a supplementary oral examination.

Interdisciplinary Colloquia. In 1971–72, the following two colloquia are designated:

28. Colloquium in Fine Arts, History, and Political Science: The City. See Colloquia, p. 179.
  Requisites: Fine Arts 11, or History 11, or Political Science 11, or European Studies major. Also recommended are one (or more) of the following: Classics 23, 24; Fine Arts 30, 33, 40; History 21, 23, 24, 26, 28; Political Science 28, 32. To be offered only once. Second semester. Professors Arkes, Cheyette, and Westfall.

30. Germany Between Two World Wars. See Colloquia, p. 179.
  Requisite: Consent of the instructors. Second semester. Professors Lees and White.

77 and D78. Senior Honors Course. Preparation of an honors thesis. A single and a double course.

Elective for Seniors with the consent of the Committee on European Studies. First and second semesters.

FINE ARTS

Professors Schmalz (Chairman) and Trapp*; Visiting Lecturer Alfred Leslie; Assistant Professors Oxman and Westfall and Visiting Assistant Professor Batchelder; Mr. Roberson.

Major Program. A major in fine arts consists of eight full courses in fine arts, one of which must (normally) be 11 or 11s and one in studio work; and a comprehensive examination. Additional work in studio beyond the 15 level may also count toward fulfillment of the major requirements. A *rite* major may by departmental permission elect a 77–78 program of individual work as a senior. Depending on the individual student's objectives, a limited number of courses in other departments may, with departmental approval, be accepted in partial fulfillment of the major requirement.

Honors Program. Honors in fine arts shall consist of eight full courses in fine arts, one of which must be taken in studio work (see below), plus Fine Arts 77–78, and a comprehensive examination. Normally, as a minimum, either Fine Arts 47s or Fine Arts 48 will be included in the student's elections within the Department. Note: A certain amount of work at the neighboring institutions is acceptable, at the discretion of the Department, for fulfillment of the major program.

Distribution Sequences.

a. Two-course sequences: Fine Arts 11 or 11s plus one other course in art history; Fine Arts 15 plus one other course in studio.

b. Three-course sequences: Fine Arts 11 or 11s plus two other courses in art history; Fine Arts 15 plus two other courses in studio, one of which would normally be 23, 27, or 29.

11. Introduction to the History of Art. The development of the major arts in the western tradition, with special emphasis on the relationship between visual arts and the culture that produced them, as well as an examination of the formal relationships between the several visual arts.

Elective for Freshmen. First semester. Professor Westfall.

11s. Introduction to the History of Art. The development of the major arts from the earliest times to the present, with special emphasis on the formal

*On leave 1971–72.

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and historical relationships among styles in western arts. Three hours per week.

Elective for Freshmen. Second semester. Professor Schmalz.

15. Introductory Studio. An introduction to the basic principles of art through the study of the visual vocabulary. Studio experiments with a variety of art media. Projects in two and three dimensions. Two two-hour class periods per week, plus outside assignments. No prior studio experience is required or special talent expected.

Elective for Freshmen. Limited to fifty students. First semester. Professor Oxman.

15s. Introductory Studio. Same course as Fine Arts 15.

Elective for Freshmen. Limited to fifty students. Second semester. Professor Oxman.

22. Three-Dimensional Design. Examination of three-dimensional and structural concepts. Organization of space developed through constructions in a variety of materials. Two two-hour class periods per week.

Elective for Sophomores and Freshmen. Limited to thirty students. Second semester. Professor Oxman.

23. Introductory Sculpture. A studio course designed to explore the basic principles of sculpture. Life and portrait modeling preparatory to individual creation. Aesthetic analysis of works of sculpture.

Limited to twenty-five students. First semester. Professor Oxman.

25. Introductory Serigraphy. A series of problems designed to provide students with practice in the several basic techniques of silk screen printing, and to acquaint them with its varied possibilities for original creative expression. Contemporary idioms will be emphasized. Two two-hour studio periods per week, plus additional studio time.

Requisite: Fine Arts 15, 22, or consent of the instructor. Limited to twenty-five students. Elective for Sophomores. First semester. Professor Schmalz.

27. Visiting Artist's Studio. The general tone and character of the course will be determined by the visiting artist. The specific problems and their sequence will be established with the interests of both the visiting artist and his individual students in view. Two afternoon meetings per week plus outside work.

Limited to thirty students with consent of the visiting artist. First semester. Mr. Leslie.

28. Visiting Artist's Studio. Same course description as Fine Arts 27.

Limited to thirty students with consent of the visiting artist. Second semester. Mr. Leslie.

29. Photographic Vision and Design. An introduction to the camera as an artistic means based on a series of studio problems in light, motion, optical control, visual selectivity and photographic composition. Special projects will be arranged for those students who have had prior experience in photography. Two afternoon meetings per week plus outside assignments.

Limited to twenty students with consent of the instructor. First semester. Professor Batchelder.

29s. Photographic Vision and Design. Same description as Fine Arts 29.

Limited to twenty students with consent of the instructor. Second semester. Professor Batchelder.

30. Ancient Arts. A comparative study of the emergence, development and diffusion of artistic styles in the East and the West from pre-historic times to the early Christian era. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s, or permission of the instructor. Elective for Sophomores. Second semester. Omitted 1971–72.

33. Renaissance Art. A selective examination of the form and content of European art from the early 15th to the end of the 16th centuries, with emphasis upon the major artists of Italy. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s, or permission of the instructor. Elective for Sophomores. First semester. Professor Westfall.

34. Baroque and Rococo Art. A study of major figures and movements in European art of the 17th and 18th centuries, including such masters as Rubens, Bernini, Rembrandt and Goya. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s or permission of the instructor. Elective for Sophomores. Second semester. Mr. Roberson.

37. The Origins of the Modern Movement. A selective examination of major figures and movements in the development of European painting from Neo-Classicism to Impressionism, with emphasis on problems in criticism. Two seminar meetings per week. Outside reading and written assignments.

Requisite: Fine Arts 11 or 11s, or permission of the instructor. Elective for Sophomores. First semester. Omitted 1971–72. Professor Trapp.

38f. American Art. American architecture, sculpture and painting in America from the 17th century to the present day. Three hours of classroom work per week.

Elective for Sophomores. First semester. Mr. Roberson.

39s. Modern Art. A selective examination of major figures and movements in the development of modern art from Post-Impressionism to the present. Two meetings per week.

Requisite: Fine Arts 11 or 11s or permission of the instructor. Elective for Sophomores. Second semester. Omitted 1971–72. Professor Trapp.

40. History of the City. An investigation of the development and historical importance of cities, especially from the Renaissance to the present day. The analytical technique and literature of art history will be used. Emphasis will be placed upon the forms of city plans and of urban architecture in their relationship to cultural, historical, and environmental factors. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s; or History 11 or 11s and permission of the instructor. Second semester. Professor Westfall.

41. Contemporary Architecture. An exploration of recent developments in construction, materials, graphic methods, theory, and practice. This course will explore such topics as pre-fabrication, "pop architecture," housing, city and regional planning, and urban renewal. An intensive investigation of contemporary architecture in the five-college area.

Requisite: Permission of the instructor. To be offered only once. First semester. Mr. Roberson.

Colloquium in Fine Arts, History, and Political Science: The City. See Colloquia, p. 179.

Requisites: Fine Arts 11, or History 11, or Political Science 11, or European Studies major. Also recommended are one (or more) of the following: Classics 23, 24; Fine Arts 30, 33, 40; History 21, 23, 24, 26, 28; Political Science 28, 32. To be offered only once. Second semester. Professors Arkes, Cheyette, and Westfall.

47s. Problems in Criticism and Connoisseurship. A study of American art from 1945 to 1970, intended to sharpen visual perception, establish critical principles and clarify verbal judgments. Three hours of classroom work per week. With permission of the instructor, this course may be repeated.

Requisite: Fine Arts 11 or 11s plus one other course in art history, or permission of the instructor. Elective for Juniors. Second semester. Professor Schmalz.

48. Topics in Art History. A critical examination of a variety of historical literature dealing with painting, sculpture and architecture. The chief aim of the course is to provide a deeper understanding of the methods, purpose and meaning of art history. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s plus one other course in art history, or permission of the instructor. Elective for Juniors. Second semester. Mr. Roberson.

77, D77; 78, D78. Conference Course. Senior Honors. Preparation of an honors thesis or completion of a studio project.

The student shall with the consent of the Department elect to carry one semester of his honors work as a double course weighted in accordance with the demands of his particular project. Elective for Seniors with the consent of the Department. First and second semesters.

97, H97, 98, H98. Special Studies for Student Majoring in Fine Arts.
Full or half course. First and second semesters. The Department.

French. See page 165.

GEOLOGY

Professors Brophy and Foose; Associate Professor Belt (Chairman); Assistant Professor Kuntz.

Major Program. Course requirements for majoring in geology generally include Geology 11, 21, 32, 34, 41, and 51. (Students with adequate background may be excused from Geology 11.) In addition, each major is encouraged to engage in at least one semester of independent study and research and write a senior thesis. Majors should plan a program to include courses in mathematics, chemistry, physics and/or biology, depending upon their specific interests, preparation and abilities within the field of geology and related sciences.

Students contemplating a major in geology, or whose interests are directed towards geochemistry, geophysics or oceanography, should discuss their interests with the staff as early as possible, in order to elect a proper program of study.

Early in the second semester of the senior year, each major shall take a comprehensive examination, both written and oral. Part I will encompass those subjects considered to form the basic body of knowledge in the science. Part II will include questions that synthesize geologic knowledge or deal specifically with the major interest of the student. Part III will be an oral examination by the staff.

Students proceeding to graduate school should take the Graduate Record Examination early in their senior year and should be aware that some graduate schools require reading proficiency in two languages (usually French, German, or Russian), and attendance at an accredited summer field camp in geology.

Honors Program. For a degree with honors, a student must have demonstrated ability to pursue independent work fruitfully and exhibit a strong

motivation to engage in research. A thesis subject should be chosen in the junior year and must be chosen within the first two weeks of the senior year. Geology 77, 78 involves independent research in the field or the laboratory that must be reported in a dissertation of high quality, due in April of the senior year.

Distribution Sequences. For fulfillment of the general distributional requirements, the following are suggested for non-geology majors. As a two-semester sequence, Geology 11 and 22 or 11s and 23 are designed to be relevant in an age in which most educated persons may expect to travel extensively and to observe or be intimately involved with many aspects of the earth. As a three-course sequence, Geology 11, 22, and 23 would be ideal. In order to meet specific interests, however, the third course may be selected from others in the geology curriculum with the approval of the instructor concerned.

Unless otherwise specified, all courses are open to any student having requisite experience.

11. Principles of Physical Geology. A study of the geologic processes operating on and under the earth's surface, and the character and origin of the earth's major features and its mineral resources. Principles will be studied and major features examined both in the laboratory and the field. Four hours class; three hours laboratory (or field) work each week, and one all-day field trip.

First semester. Professor Foose and Staff.

11s. Principles of Physical Geology. Same as Geology 11.

Second semester. Professor Brophy and Staff.

21. Mineralogy. The study of minerals with emphasis on crystallography, crystal chemistry, and chemical-structural classification. The course will require identification of minerals and knowledge of their distribution, origin, and use. Laboratory studies of chemical and physical properties of minerals useful in mineral identification, including X-ray diffraction. Three hours class and three hours laboratory work each week.

Requisite: Geology 11 or permission of the instructor. First semester. Professor Brophy.

22. Geology of the Ocean Basins. The following major subjects will be discussed: Origin of the ocean basins, their depth, shape and configuration; hypotheses of sea-floor spreading and plate tectonics; environments of deposition on the shelf, slope, rise, and abyssal plain; beach and nearshore processes; tides, waves, and currents; dynamics of physical, chemical, and organic changes in the oceans. Three hours class and three hours laboratory, field or seminar each week.

Requisite: Geology 11 or permission of the instructor. Second semester. Professor Foose and staff.

23. Geomorphology and Environmental Geology. Interpretation of land forms and their development by geological processes, tectonic activity, and climate. Principles of water resource development. Geologic factors critical to man-made structures. Evaluation of natural and man-made factors causing changes in the environment, such as geological hazards, (landslides, earthquakes, etc.), disposal of solid and liquid pollutants and urban growth. Three hours class and three hours laboratory (or field) each week.

Requisite: Geology 11 or permission of the instructor. First semester. Professor Belt and staff.

H25. Optical Mineralogy. The optical properties of isotropic, uniaxial and biaxial minerals in polarized light. Diagnostic optical properties and recognition of the common rock-forming minerals in thin section. Three hours combined laboratory-lecture per week. A half course.

Requisite: Geology 11, concurrent with Geology 21. First semester. Professor Kuntz.

32. Metamorphic and Igneous Petrology. A study of metamorphic and igneous processes and environments. The application of chemical principles and experimental petrology are stressed. Identification, analysis and mapping of metamorphic rocks in the field. Three hours lecture and four hours laboratory per week.

Requisite: Geology 21. Second semester. Professor Kuntz.

34. Sedimentology. A study of modern sediments and sedimentary environments as used for interpreting depositional environments of sedimentary rocks. Emphasis is placed on basic research reports on transportation and dispersal, deposition and primary structures, post-depositional processes and diagenesis. Tectonic framework of sedimentary basins and sedimentary models. Laboratory concentrates on thin sections of sedimentary rocks. Three hours class and three hours laboratory each week.

Requisite: Geology 11. Second semester. Professor Belt.

41. Structural Geology. A descriptive and aanlytical study of sedimentary, metamorphic, and igneous rock structures, and of the causes of deformation within the context of regional tectonic frameworks. Geologic structures will be studied and mapped in the field in areas of sedimentary, metamorphic, and igneous rocks during the laboratory. Three hours class and four hours laboratory each week.

Requisite: Geology 32 or permission of the instructor. First semester. Professor Foose.

42. Paleontology. An introduction to invertebrate and vertebrate fossil organisms, their evolution and paleoecologic significance. After a brief study of basic morphology, the student reads key research reports on ontogenetic variation, taxonomic categories, population dynamics, phyletic trends, and paleoecology. Laboratory alternates between seminars on the reading and practical study of invertebrate specimens. Three hours class and three hours laboratory each week.

Requisite: Geology 11 or Biology 24f. Second semester. Omitted 1971–72. To be offered in 1972–73 and in alternate years. Professor Belt.

43. Geochemistry. The application of chemical principles to geological processes and environments. Chemical equilibrium, thermodynamics and mineral stability. Phase equilibria in igneous and metamorphic reactions; the chemistry of ore-forming solutions; oxidation-reduction in surface environments, isotopes as marine environmental indicators, and the geochemical activities of micro-organisms are stressed. Three hours class and three hours laboratory each week.

Requisite: Geology 11 and Chemistry 11 or permission of the instructor. First semester. Professor Kuntz and others.

45. Vertebrate Paleontology. The evolution of vertebrates as shown by the study of fossils and the relationship of environment to evolution. Three hours class and four hours laboratory work each week.

Requisite: Geology 11 or Biology 24f. First semester. Omitted 1971–72.

46. Economic Geology. Origin, occurrence, distribution, uses, and production of mineral fuels, metalliferous minerals (ore deposits), and industrial minerals (non-metallics). Laboratory devoted to studies of important mining districts, examination of raw materials and their geologic relations, and to a solution of geologic problems related to their occurrence. Three hours class and four hours laboratory each week.

Requisite: Geology 32 and 41. Second semester. To be offered in 1971–72 and in alternate years. Professors Brophy and Foose.

48. Geophysics. Application of the physical principles of gravity, magnetism, electricity, and seismic and sonic wave propagation to the interpretation of rock types and structure of the earth's crust. Principles of geophysical exploration and the interpretation of geophysical data. Three hours class and three hours laboratory each week.

Requisite: Geology 11 and Physics 14, or permission of the instructor. Second semester. Omitted 1971–72. To be offered 1972–73 and in alternate years. Staff.

51. History and Dynamics of the Crust and Mantle. Through the mechanism of lectures, seminars, field study and independent research dealing both

with major areas of the globe and with fundamental processes (such as pluton emplacement and crustal movement) the origin and development of the crust and mantle will be explored. Three hours class, two hours laboratory (or field), and one hour seminar each week.

Requisite: Geology 41. First semester. Professor Belt and staff.

77, 78. Geology Honors. Independent research on a geologic problem within any area of staff competence. A dissertation of high quality will be required.

Elective for seniors who meet the requirements of the honors program. First and second semesters. The Staff.

97, H97, 98, H98. Special Topics. Independent reading or research. A written report will be required. Full or half courses.

Approval of the departmental chairman is required. First and second semesters. The Staff.

GERMAN

Professors Peppard (Chairman) and White and assistant.

Major Program. The major must include the following courses: German 10, 11, 21, 23, 24, 26, 38 or 40, 97 or 98.

A major in German will take a written examination in the seventh week of the second semester of his senior year. A reading list will be provided to aid in the preparation for this examination.

Honors Program. In addition to the courses required for a *rite* major, candidates for honors must complete German 77, 78, and must present a thesis. They are urged to study an ancient or one other modern foreign language.

The aim of honors work in German is to offer the candidate the opportunity (a) to explore a chosen field or fields through a more extensive program of readings than is possible in course work; (b) to organize material for himself along historical or analytical lines, usually in the form of a thesis or essay; (c) to acquire a general view of the history and development of German literature or language.

Each candidate will present a thesis or essay on an approved topic. It may deal critically with the work of a specific author; it may treat the development of an idea in historical form; it may be a study of some particular literary form.

Each candidate will take a written general examination on the history of German literature, which will also include questions in his chosen field. The result of this examination together with the excellence of the thesis or essay will determine the degree of honors for which the Department will recommend the candidate.

Distribution Sequences. A two-course sequence will consist of German 10 or 11 plus one higher numbered course. A three-course sequence will consist of German 10 or 11 plus two higher numbered courses.

1. Elementary Course. Grammar, pronunciation, oral practice. Three hours per week for explanation and demonstration and three hours per week in the language laboratory for oral practice.

Elective for Freshmen. First semester.

3s. Intermediate Course. A continuation of German 1. Practice in reading selected texts. Three hours per week of demonstration and explanation, and three hours per week in sections for oral practice.

Requisite: A satisfactory grade in German 1. Second semester.

5. Advanced Course. Reading and analysis of selected texts. Three hours per week for demonstration and explanation, and three hours per week in small sections for oral practice and discussion. Stress will be placed on comprehension of the spoken language and oral drill. Conducted in German.

Requisite: A satisfactory score in the CEEB Achievement Test. Elective for Freshmen. First semester. Professor White.

Freshmen will be assigned to German 1, or German 5 on the basis of the score in the CEEB Achievement Test and previous training. Part of the drill in these courses will be in the language laboratory.

10. Advanced Composition and Conversation. Practice in free composition in German. Exercises in pronunciation and idiomatic conversation, with supplementary practice in the language laboratory. Oral reports on selected topics. Conducted in German. Three hours per week.

Requisite: consent of the instructor. Elective for Sophomores. Second semester. Offered in alternate years. Omitted 1971–72. Professor White.

11. Introduction to German Literature. Reading and discussion of selected literary texts. This course will be conducted in German. Three hours of classroom work per week.

Requisite: satisfaction of the language requirement. Elective for Freshmen. First semester. Professor Peppard.

11s. Introduction to German Literature. Same description as above.

Requisite: satisfaction of the language requirement, including satisfaction of the requirement at the end of the first semester. Elective for Freshmen. Second semester. Professor Peppard.

21. German Literature of the Eighteenth Century. An exploration of writing and the fine arts in eighteenth-century Germany, with emphasis on drama,

fiction, essays, and the interaction of music and language. Selected readings in Gottsched, Winckelmann, Lessing, the younger Goethe, and others. Listening assignments in J. S. Bach, Mozart, and Haydn. Conducted in German. Three hours discussion per week, with occasional outside listening assignments.

Requisite: German 11 or permission of the instructor. Elective for Freshmen. First semester. Professor White.

23. Goethe's Faust. *Faust*, Parts I and II. A study of the Faust legend, lectures, and assigned readings. Conducted in German. Three hours per week.

Requisite: German 11. Elective for Freshmen. First semester. Professor Peppard.

24. German Romanticism. Studies in the Romantic movement in Germany, with readings from Tieck, F. Schlegel, Brentano, Kleist, Hoffmann, and Heine. Lectures and discussion. Three hours per week. Conducted in German.

Requisite: German 11. Elective for Freshmen. Second semester. Offered alternately with German 26. Omitted 1971–72.

26. German Literature from Romanticism to the Turn of the Century. The development of German literature from the death of Goethe through the period of Naturalism. Selected readings, lectures, and discussion. Conducted in German. Three hours per week.

Requisite: German 11. Elective for Freshmen. Second semester. Offered alternately with German 24. Professor White.

Germany Between the Two Wars. See Colloquia, p. 179.

Requisite: Written consent of the instructor. Limited to twenty students. Second semester. Professors Lees and White.

35. Studies in Twentieth Century Prose. Readings in major writers such as Thomas Mann, Franz Kafka, and Hermann Hesse. Conducted in English. Students may read in the original or in translation according to their command of the language. Three hours per week.

Elective for Sophomores. Offered in alternate years with German 37. First semester. Professor Peppard.

37. German Literature in Translation. Selected works of German literature in a rapid survey from the medieval period to the present. Readings in the original may be assigned for those with sufficient command of the language. Three hours per week.

Elective for Juniors. First semester. Offered in alternate years. Omitted 1971–72.

38. German Drama of the Twentieth Century. Studies in German drama of the period with emphasis on the Expressionists, Brecht, and post-World War II dramatists. Three hours per week. Conducted in German.

Requisite: German 11. Elective for Juniors. Second semester. Offered in alternate years with German 40. Professor White.

40. German Poetry of the Twentieth Century. Interpretation of German verse of the period, with emphasis on George, Rilke, Hofmannsthal, the Expressionists, and post-World War II poets. Three hours per week. Conducted in German.

Requisite: German 11. Elective for Juniors. Second semester. Offered in alternate years. Omitted 1971–72.

50. Introduction to Linguistics. A general introduction to structural and transformational linguistics. One two-hour seminar per week.

Elective for Juniors, with consent of the instructor. Second semester. Professor Peppard.

77, 78. Honors Course for Seniors.
First and second semesters. The Department.

97. Special Topics. Independent Reading Course.
First semester. The Department.

98. Special Topics. Independent Reading Course.
Second semester. The Department.

Greek. See page 94.

HISTORY

Professors Davis, Gifford, Greene, Halsted, Hawkins, Rozwenc‡ and Ward; Associate Professors Cheyette, Czap,* Levin, Petropulos (Chairman), R. Moore, and Ratté; Assistant Professors Lees and Weary. Professor Emeritus Henry Steele Commager, Simpson Lecturer in History.

Major Program. Every student choosing history as his major field of study is assigned a departmental advisor who helps him define a primary and secondary field of concentration. A primary field involves the equivalent of four semester courses, a secondary field the equivalent of two semester courses; both can be organized either chronologically or topically. (For ex-

*On leave 1971-72.
‡On leave second semester 1971-72.

ample: European history since 1815, Russian history, American history; or intellectual history in Europe and America, or the comparative history of modernization in Russia, Japan, the Middle East, and Africa.) As the character of the concentration is progressively defined through course work and consultation, courses in other departments or programs of independent reading may be advised and accepted as fulfilling major requirements.

Requirements include History 11 or 11s, eight additional semester courses in history, an essay in the primary field of concentration, and an oral examination to be taken in the spring of the senior year.

Honors Program. Candidates for honors will include History 77–78, the writing of a thesis, among their eight departmental courses beyond History 11 or 11s. With special permission History 77 and/or 78 may be taken by non-honors candidates.

Distribution Sequences. A two course sequence may be fulfilled by History 11 or 11s and a course of the student's selection, or two related courses (see below). A three course sequence may be fulfilled by History 11 or 11s and two related courses, or by two related courses and an advanced course in the same historical subject.

Related courses: Courses may be related by area (e.g., History 21–22, 41–42, 45–46 or 48, 51–52, 55–56), by period (e.g., History 23–24, 32–34, 37–38), or by theme (e.g., modernization, History 40–48; intellectual history, History 38–63; revolution, History 42–61). The student may also design a sequence according to his intellectual interests but must receive the approval of the Chairman of the Department.

Unless otherwise specified all courses are open to freshmen.

11. Introduction to Historical Study. The Department's introductory course aims at providing instruction in the reading of history. The course centers upon a classic work of historical literature which treats an important era of history and which is especially suited to reveal the characteristics of the historian's task.

In 1971–72, the work will be Carl Becker's *Heavenly City of the Eighteenth Century Philosophers*. The book is first studied in relation to earlier historians' treatments of the same subject, and then in relation to the life and times of its author. The greater portion of the course is then devoted to studying the ways in which recent historical writing has dealt with several significant themes arising from the book.

Required of all majors. Majors and prospective majors are advised to take this course as early as possible. First semester. Professors Cheyette, Ratté, and Weary.

11s. Introduction to Historical Study. Same course as History 11. Second semester. Professors Greene, Halsted, Lees, and Weary.

21. The Development of European Society I. Introduction to some of the major themes of western European history, from Charlemagne through Louis XIV. Special attention will be paid to the ways in which westerners have conceived of this part of their past.

First semester. Professor Weary.

22. The Development of European Society II. Topics in the history of Europe from the early eighteenth century through the early part of the twentieth: the Old Regime and its enlightened critics; the political and economic revolutions in France and England and attitudinal responses to them; the emergence of new nation states and the development of national societies during the second industrial revolution; imperialism and war.

Second semester. Omitted 1971–72. Professor Lees.

23. Medieval Society. An introduction to medieval European society. Readings and discussion on selected topics of institutional and social history, concentrating on the period from the eleventh to the thirteenth century. Two one-and-one-half hour class meetings per week.

First semester. Professor Cheyette.

24. Medieval Society. A continuation of History 23. The course will concentrate on the thirteenth and fourteenth centuries.

Second semester. Professor Cheyette.

26. The European Mind: Abelard to Luther. A seminar concentrating on one or two major themes of European thought in the Middle Ages. One meeting per week.

Requisite: History 23, 24, or Philosophy 17, or consent of the instructor. Second semester. Omitted 1971–72. Professor Cheyette.

28. Early Modern Europe. An examination of the nature and extent of royal power and policy in the early modern state, 1400 to 1600. Special attention will be given to the royal bureaucracy, the nobility, the cities, and contemporary political theory. The course will conclude with a brief comparative study of the political forms which preceded and followed the early modern state.

Second semester. Professor Weary.

Colloquium in Fine Arts, History, and Political Science: The City. See Colloquia, p. 179.

Requisites: Fine Arts 11, or History 11, or Political Science 11, or European Studies major. Also recommended are one (or more) of the following: Classics 23, 24; Fine Arts 30, 33, 40; History 21, 23, 24, 26, 28; Political Science 28, 32. To be offered only once. Second semester. Professors Arkes, Cheyette, and Westfall.

29. Modern Germany. A general survey of the nineteenth and twentieth centuries, with emphasis on themes such as the following: the social and intellectual impact and challenge of revolutionary France, the origins of liberalism and nationalism, the effects of industrialization, social and ideological tensions in the Second Empire, expansionism and the military elite, the Weimar experiment in democracy, fascism and the structure of Nazi power, and reconstruction after World War II. Use will be made of visual materials and of original sources in English translation.

First semester. Professor Lees.

Germany Between the Two World Wars. See Colloquia, p. 179.

Requisite: Written consent of the instructors. Limited to twenty students. Second semester. Professors Lees and White.

32. European Thought in the Nineteenth Century. Dominant currents in the history of ideas viewed in their social context, from the Enlightenment to the intellectual background of the First World War.

Second semester. Professor Halsted.

34. Europe in the Nineteenth Century. Revolutionary Europe from 1789 to the end of the nineteenth century; liberalism, nationalism, and socialism in western and central Europe, with special emphasis on the revolutions of 1848, Marxism, and movements of national unification.

Second semester. Omitted 1971–72. Professor Halsted.

35. Victorian England. The seminar will treat aspects of the culture of nineteenth century England through the works of its great social critics, political and social theorists, novelists, and poets, as well as through major historical studies. One class meeting per week.

First semester. Professor Halsted.

37. Europe and the World in the Twentieth Century. Lectures survey relations among governments in war and peace as they have been shaped by social and political transformations within nations. Readings for discussion focus on the relationship between contemporary global and European history; the transformation of European society from 1890 to the Versailles settlement; the rise of fascism; the diplomacy and technology of the Second World War; communism, democracy and the intellectuals in the 1930s and 1950s; the impact of bipolarity, the loss of colonies, and the extension of the social service state in the 1950s and 1960s. Lectures and sections.

First semester. Professor Ratté.

38. Topics in Contemporary Intellectual History. The course considers movements of ideas and the works of individual thinkers in relationship to social change and changes in specific intellectual disciplines. In 1972, discus-

sion will focus on the notion of the decline of the West as a theme in some major works of twentieth century history, fiction, and neo-Marxist and Christian social criticism.

Second semester. Professor Ratté.

40. Modern Greece. An examination of Greek society from 1204 to the present, with stress on the Byzantine and classical legacies, as well as Ottoman Turkish rule and westernization, as basic components in the emergence of a modern Greek nation. Greece will be considered in the context of the modernization process. The concurrent and conflicting modern Greek traditions of democracy and autocracy will be studied in an attempt to understand the current political situation in Greece.

Second semester. Professor Petropulos.

41. Russia. A history of Imperial Russia until approximately 1900. The course will include consideration of Russia's Kievan and Muscovite background and will emphasize the development of social and political institutions—the growth and collapse of serfdom, the evolution of bureaucratic autocracy, etc.—in the Imperial period. Reading, lectures and discussions.

First semester. Omitted 1971–72. Professor Czap.

42. Russia. A history of Imperial and Soviet Russia in the twentieth century. A consideration of Russia during the period of constitutional monarchy, the revolutions of 1917 and the reestablishment of social order and the development of Russian society under the Communist Party through the post-World War II years. Reading, lectures and discussions.

Second semester. Omitted 1971–72. Professor Czap.

44. Topics in Russian History. The seminar will consider dominant themes in Russian social radicalism of the nineteenth century.

Admission by consent of the instructor. Second semester. Omitted 1971–72. Professor Czap.

45. Modern East Asia and the West. Lectures, readings and class discussion of problems arising from the impact of Western military technology, science and political philosophy on China, Japan and Korea since 1800. Special attention is given to differences in China's and Japan's attempts to modernize.

First semester. Professor R. Moore.

46. Modern China. A survey of political, social and economic developments as China moved from traditional Confucian society to revolutionary "Maoist" society. Lectures, readings and discussions will treat traditional

society, and the Nationalist and Communist revolutions. Alternates with History 48.

Second semester. Omitted 1971–72. Professor R. Moore.

Japanese Civilization and Culture. See Colloquia, p. 180.

Second semester. Professors Lee and R. Moore, and Five-College Faculty.

48. Modern Japan. An introduction to Japan's political and intellectual responses to the threat of the West since 1800. Lectures, readings and discussions will focus on late Tokugawa society, the Meiji Restoration and beginning of modernization, the growth of nationalism and the Pacific War, the American occupation and recovery of national independence in the cold war.

Second semester. Alternates with History 46. Omitted 1971–72. Professor R. Moore.

49. Topics in East Asian History. The course explores one broad topic through readings, discussions and papers. One two-hour session per week. The topic for 1972: the Chinese revolution in the twentieth century.

Requisite: History 45 or equivalent, or consent of the instructor. First semester. Professor R. Moore.

51. The Middle East. From the birth of Islam in the seventh century A.D. to 1300. Special emphasis will be placed on the nature of Islamic society and thought, the formation of an Islamic civilization, and the interaction of Arabs, Persians, and Turks.

First semester. Professor Petropulos.

52. The Middle East. From the rise of the Ottoman Turks around 1300 and the formation of the Ottoman empire to the emergence of successor nation-states in the twentieth century. Topics receiving special emphasis: changes in the nature of Ottoman state and society, the impact of the West and alternative reform and modernization efforts, the contrasting experiences of Arabs and Turks, before and after World War I, the Palestine problem and the creation of Israel.

Second semester. Professor Petropulos.

53. The History of Israel. This course will consider aspects of the Jewish experience in modern Europe; the origins and development of Zionism in Europe, America and Palestine before 1939; the Holocaust and the creation of the state of Israel; and the political, social and diplomatic history of Israel since 1948. One seminar session per week.

Admission by written consent of the instructor. First semester. Professor Levin.

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54. Topics on the Middle East. Each year the course will focus on a single topic of broad range. Papers and discussion. One two-hour session per week. When the topic changes, the course may again be taken for credit. Topic for 1973: Modern Egypt.

Admission by consent of the instructor. Second semester. Omitted 1971–72. Professor Petropulos.

55. The History of American Society. An examination of the relationship between values and institutions in the formation of the American social system. Particular attention will be given to the complex interaction between the forces of social cohesion and social conflict as a way of understanding the movement of American society toward social disequilibration and civil war.

First semester. Professor Rozwenc.

56. The History of American Society. An examination of the transformation of American values and institutions in response to the industrializing process. Particular attention will be given to social conflicts caused by the strains of rapid social change and their relationship to conflicts in world politics.

Second semester. Omitted 1971–72. Professor Rozwenc.

57. Seminar in Southern History. Selected topics, with emphasis on the forces that have affected Southern particularism. One two-hour and one one-hour meeting weekly.

Limited to fifteen students. First semester. Omitted 1971–72. To be offered 1972–73. Professor Hawkins.

58. The Progressive Generation. A study of the responses to change made by Americans in the generation from 1890 to 1920. By concentrating upon a single generation the course will explore some of the interrelations among politics, literature, business, the professions, religion, and popular culture. One seminar meeting weekly.

Limited to fifteen students. Second semester. Omitted 1971–72. Professor Greene.

59. America in the Sixties. A study of the dominant political culture (Kennedy's New Frontier and Johnson's Great Society) and the making of a counter culture (the drug culture, black militancy, the anti-Vietnam War protest, student revolts, the "New Left," Women's Liberation, etc.) Colloquium and independent study.

Admission by consent of instructor. First semester. Professor Rozwenc.

60. Radicals and Reformers in the New Deal Era. An examination of the patterns of protest and reform that emerged in American society during the crisis of the 1930's.

Limited to fifteen students. Second semester. Omitted 1971–72. Professor Rozwenc.

61. Community and Individualism in Early America. A study of the tensions between liberal individualism and the bonds of community in the development of American society. The course will focus on tensions within the Puritan communities of New England, the Quaker's "Holy Experiment," the semi-aristocratic society of Virginia, and the experience of the American Revolution.

First semester. Professor Greene.

62. American Diplomatic History. The history of American foreign relations in the twentieth century. After a very brief introductory consideration of the origins of the American diplomatic tradition, this course will focus in depth on the evolution of America's role in world politics from the late nineteenth century to the present.

Second semester. Professor Levin.

63. Conference Course in American Intellectual History. This course will consist of reading and discussion of significant books in American history that illuminate the search for an American identity from Jefferson to Henry James. One seminar (two sections).

Elective for Juniors with permission of instructor. First semester. Professor Commager.

66. Seminar in American Educational History. Selected topics from the colonial period to the present with emphasis on tensions between autonomous institutional standards and the needs and ideals of the general society. One two-hour meeting weekly.

Limited to fifteen students. Second semester. Professor Hawkins.

67. Race in American History. The course explores thought about race and institutions based on race within the context of American cultural development. Emphasis is on racial orientations of the dominant society rather than experience within various ethnic subsocieties. One one-hour and one two-hour meeting weekly.

Limited to twenty-five students. To alternate with History 57. First semester. Professor Hawkins.

69. African History to 1880. A general history of Africa from the Axumite, Nubian and Nile Valley Kingdoms to the nineteenth century. Attention will be given in the lectures to migrational patterns and the emergence of states and imperial systems; the rise of monarchies in the Sudan forest areas and in Central Africa; where relevant, consideration will be given to relations between African states and the development of institutions. An essay will be required.

Requisite: Previous course work in the Department of History or the consent of the instructor. First semester. Omitted 1971–72. Professor Davis.

70. Modern African History. This course will deal with the impact of exploration, missionary activity, European penetration and imperial systems, the Congress of Berlin and the African reaction. Much of the reading is from scholarly journals. An essay will be required.

Requisite: History 69 or the consent of the instructor. Second semester. Professor Davis.

75. Central and South Africa in Nineteenth-Twentieth Century. An introduction to the evolution of African states and kingdoms in Central and South Africa. Special attention will be given to a study of the emergence of the Zulu and Shona nations. The structure of African states and kingdoms north of the Limpopo River and the effects of British and Dutch policy on African life will also be considered. The policies and tactics of Shaka, the Zulu, Moshesh, and Mkwawa.

Admission by consent of the instructor. First semester. Professor Davis.

76. Modern Africa: The Intellectual Heritage. Use of novels, autobiography and psychological materials to illuminate the central characteristics of colonialism and their continuing consequences in the African historical setting. Works by Abbas, Abraham, Achebe, Berque, Beti, Cary, Césaire, Fanon, Kenyata, Laye, Senghor and others are treated against the historical situations that gave rise to them. Two seminar meetings per week.

Limited to fifteen students, with consent of the instructor. Second semester. Professor Gifford.

77. Conference Course. Senior Honors. Preparation of an honors thesis.

Elective for Seniors with the consent of the Department. With special permission of the department, students who are not candidates for honors may elect History 77 and/or History 78. First semester. The Department.

D78. Conference Course. Senior Honors. Preparation of an honors thesis. A double course.

Elective for Seniors with the consent of the Department. With special permission of the department, students who are not candidates for honors may elect History 77 and/or History 78. Second semester. The Department.

82. Senior Comprehensive Seminar. This course will consist of two parts. The first half will involve individual work in preparation of the primary field essay and group consideration of issues common to all history majors or to all those concentrating in the same field. The second half will include readings in the works of some major historians from diverse areas and periods and in materials treating the uses of history and questions of theory and method. One class meeting per week.

Elective for senior history majors only. Second semester. Professor Halsted and the Department.

97, H97. Special Topics. Independent Reading Course.
First semester.

98, H98. Special Topics. Independent Reading Course.
Second semester.

RELATED COURSES

African Nationalism. See Black Studies 51.
Limited to twenty-five students. First semester. Professor Davis.

Introduction to Black Religion in Africa and the Americas. See Black Studies 62.
Elective for Sophomores and Juniors. Second semester. Professor Davis.

Comparative Slave Systems in Africa and the Americas. See Black Studies 63.
Admission by consent of the instructor. To alternate with History 69. First semester. Professor Davis.

Classical Civilization. See Classics 23.
First semester. Professor Moore.

Classical Civilization. See Classics 24.
Second semester. Professor Marshall.

Problems in Greek Civilization. See Classics 32.
Requisite: Classics 23 or consent of instructor. Restricted to fifteen students. Second semester. Professor Moore.

Problems in Roman Civilization. See Classics 33.
Requisite: Classics 24 or consent of instructor. Restricted to fifteen students. First semester. Professor Marshall.

European Economic History. See Economics 27.
Requisite: Economics 11. First semester. Professor Aitken.

American Economic History. See Economics 28.
Requisite: Economics 11. Second semester. Professor Aitken.

Problems in Economic History. See Economics 32.
Requisite: Economics 27 or 28 and consent of instructor. Restricted to fifteen students. Second semester. Professor Aitken.

History of Science. See page 182.

Italian. See page 170.

Latin. See page 95.

Latin American Studies. See page 183.

Legal Studies. See page 183.

MATHEMATICS

Professors Breusch and Mauldon; Associate Professors Bailey (Chairman), Denton and Starr; Assistant Professors Armacost and Hadlock.

Major Program. The basic minimum course requirements for a major are Mathematics 11, 12 (or 13), 21, 22, 25, 26, Physics 13, 14 and at least three more courses in mathematics. Students with a strong background in mathematics may be excused from certain courses such as Mathematics 11. It is recommended that such students take the Advanced Placement Examination in Mathematics.

A comprehensive examination for honors candidates will be given toward the end of the second semester of their junior year. For other majors, the comprehensive examination will be given during the first seven weeks of the second semester of their senior year.

A student considering a major in mathematics should consult with a member of the Department as early as possible, preferably during his freshman year. This will enable him to arrange a program best suited to his ability and interest, whether it be in mathematics, secondary school teaching, or a non-mathematical career. If possible, he should complete two courses during his freshman year, and he should have completed all required courses by the end of his junior year.

For a student considering graduate study in mathematics, an honors program and a reading knowledge of two foreign languages (usually German, French or Russian) are extremely desirable. Such a student is advised to take the Graduate Record Examination early in his senior year.

Honors Program. For a degree with honors, the following additional courses are required: Mathematics 42, 43, 77 and 78. Students are admitted to the honors program on the basis of a qualifying examination given during the second semester of their junior year. Before the end of the junior year, an individual thesis topic will be selected by an honors candidate in conference with a member of the Department. After an intensive study of this topic, the candidate will write a report in the form of a thesis which should be original in its presentation of the material, if not in content. All students majoring in mathematics are expected to attend the mathematics colloquium during their junior and senior years, and honors candidates will report to the seminar on their thesis work during their senior year.

Distribution Sequences. A student may fulfill the requirement for a two-course sequence in mathematics by passing any two courses offered by the Department. Acceptable three-course sequences include Mathematics 11, 12, 21; 12, 21, 22; 12, 21, 42; 11, 34, 35, and 12, 25, 26. *Students who have taken Mathematics 13 prior to 1971–72* may substitute this for Mathematics 12 in any distribution sequence. Proposals for other three-course sequences require approval of the Department. Amherst College students should not take a course in mathematics elsewhere without prior consultation with the Department if they expect to use such a course to fulfill either a distribution sequence or a requirement for entry to a more advanced course at Amherst College.

11. Introduction to the Calculus. Basic concepts of limits, derivatives, anti-derivatives; applications; the definite integral, simple applications; circular functions and their inverses; logarithms and exponential functions; techniques of integration. Four class hours per week.

No student who has taken Mathematics 13 may take Mathematics 11. Elective for Freshmen. First semester. The Department.

11s. Introduction to the Calculus. Same description as Mathematics 11. Second semester. The Department.

12. Intermediate Calculus. The elementary theory of the derivative and the integral, including the mean value theorem, the existence of the definite integral, and the fundamental theorem of the calculus; improper integrals; the Taylor development and power series; vectors in three dimensions; partial differentiation, chain rule, gradient; conic sections, translation and rotation of axes, polar coordinates, applications to motion, space curves. Four class hours per week.

Requisite: a grade of C- or better in Mathematics 11 at Amherst College or the consent of the Department. No student who has taken Mathematics 13 may take Mathematics 12. Elective for Freshmen. Second semester. The Department.

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12f. Intermediate Calculus. Same description as Mathematics 12.
First semester. The Department.

18. Geometry and Finite Mathematics. Detailed consideration of several of the following topics: map coloring problems, regular polyhedra, the golden section, tessellations, non-Euclidean geometries, graph-theoretic games, and combinatorial analysis. Four class hours per week.

Requisite: a grade of C or better in Mathematics 11 and consent of the instructor. Elective for Freshmen. Course limited to twenty students. Offered 1971–72 and in alternate years. Second semester. Professor Starr.

21. Multivariable Calculus. Multiple integrals in two and three dimensions; line integrals in the plane; Green's theorem; the Taylor development and extrema of functions of several variables; implicit function theorems; jacobians. Four class hours per week.

Requisite: a grade of C or better in Mathematics 12 (or 13), or the consent of the instructor. Elective for Sopromores. First semester. Professor Breusch.

21s. Multivariable Calculus. Same description as Mathematics 21.

Requisite: Same as Mathematics 21. Elective for Freshmen. Second semester. Professor Hadlock.

22. Advanced Calculus. Completeness of the real numbers; topology of n-space including the Bolzano-Weierstrass and Heine-Borel theorems; sequences, properties of functions continuous on closed, bounded sets; infinite series; uniform convergence; Fourier series; surface integrals; divergence theorem; Stokes' theorem. Four class hours per week.

Requisite: Mathematics 21. Elective for Sophomores. Second semester. Professor Breusch.

22f. Advanced Calculus. Same description as Mathematics 22.
First semester. Omitted 1971–72. Professor Mauldon.

24. Numerical Analysis. Linear algebra and differential equations, with special emphasis on efficient methods of computation. Some analytic aspects of each topic will also be considered. Four class hours per week.

Requisite: Mathematics 12 (or 13). Elective for sophomores. Second semester. Professor Bailey.

25. Algebra I. A brief consideration of properties of sets, mappings, and the system of integers, followed by an introduction to the theory of groups and rings including the principal theorems on homomorphisms and the related quotient structures; integral domains, fields, polynomial rings. Four class hours per week.

Elective for Sophomores. First semester. Professor Armacost.

26. Algebra II. A continuation of the study of a finite-dimensional abstract vector space and the algebra of linear transformations which act on it, together with the isomorphic algebra of matrices; the dual space, the effect of a change of basis, invariant subspaces, minimal polynomial of a transformation, characteristic vectors, various canonical forms. Four class hours per week.

Requisites: Mathematics 12 (or 13) and 25. Elective for Sophomores. Second semester. Professor Armacost.

33. Theory of Numbers. An introduction to the theory of rational integers; divisibility, the unique factorization theorem; congruences, quadratic residues. Selections from the following topics: Diophantine equations; Waring's problem; asymptotic prime number estimates; continued fractions; algebraic integers, unique factorization domains. Four class hours per week.

Elective for Sophomores. First semester. Offered in alternate years. Omitted 1971–72. Professor Breusch.

34. Introduction to Probability and Statistics. Elementary probability, including statements of the law of large numbers, and the central limit theorem; joint distribution functions; distribution functions of frequent occurrence in statistics, such as the Normal, Poisson, Chi square and Student's t, and their use in hypothesis testing and estimation; roles of the law of large numbers and the central limit theorem in hypothesis testing and estimation (including errors of type I and type II); a brief introduction to non-parametric methods. Four class hours per week.

Requisite: Mathematics 11. Except with special permission of the departments concerned, this course and Economics 45 may not both be taken for credit. Elective for Freshmen. Second semester. Professor Denton.

35. Statistics. Intermediate probability; forms and sketches of proofs of the law of large numbers and the central limit theorem; Neyman-Pearson theory of hypothesis testing and estimation; properties of some parametric and non-parametric tests of wide applicability; introduction to decision theory. Four class hours per week.

Requisite: Mathematics 34. Elective for Sophomores. First semester. Offered in 1971–72 and in alternate years. Professor Denton.

36. Topics in Geometry. A selection of topics from projective, non-Euclidean and differential geometry. Four class hours per week.

Requisite: Mathematics 12. Elective for Sophomores. Second semester, alternate years. Omitted 1971–72.

42. Functions of a Complex Variable. An introduction to analytic functions; complex numbers, derivatives, conformal mappings, integrals, Cauchy's theorems; power series, singularities, Laurent series, analytic continuation; Riemann surfaces; special functions. Four class hours per week.

Requisite: Mathematics 21. Elective for Sophomores. Second semester. Professor Mauldon.

43. Functions of a Real Variable. An introduction to Lebesgue measure and integration; topology of the real numbers, inner and outer measures and measurable sets; the approximation of continuous and measurable functions; the Lebesgue integral and associated convergence theorems; the Fundamental Theorem of Calculus. Four class hours per week.

Requisite: Mathematics 22. Elective for Juniors. First semester. Professor Starr.

44. Topology. An introduction to general topology; the topology of Euclidean, metric and abstract spaces with emphasis on such notions as continuous mappings, compactness, connectedness, completeness, separable spaces, separation axioms, metrizable spaces. Additional topics may be selected to illustrate applications of topology in analysis or to introduce the student briefly to algebraic topology. Four class hours per week.

Requisite: Mathematics 22 or consent of the instructor. Elective for Juniors. Second semester. Offered in alternate years. Omitted 1971–72.

46. Differential Equations. First order equations, second order linear equations; first order systems; series solutions; general existence and uniqueness theory; additional material varying from year to year from the following topics: stability theory, Poincaré-Bendixson theorem, numerical methods, control theory, partial differential equations, boundary value problems, and transform methods. Four class hours per week.

Requisite: Mathematics 21. Elective for Sophomores. Second semester. Professor Hadlock.

67s. Conference Course. The content of this course will vary from year to year.

Elective for Juniors with the consent of the Department. Second semester. Omitted 1971–72.

77. Honors Course.
Elective for Seniors with the consent of the Department. First semester. The Department.

78. Honors Course.
Requisite: Mathematics 77. Second semester. The Department.

97, H97. Special Topics. Independent Reading Course. Full or half course. First semester.

98, H98. Special Topics. Independent Reading Course. Full or half course. Second semester.

MUSIC

Professor Mishkin (Chairman); Assistant Professors May,* McInnes, Spratlan and Wheelock.

Major Program. The course of study for music majors should be planned, in consultation with the Department, to meet the needs and interests of the individual student. Concentration may be in music history, theory and composition, or performance. All majors are advised to elect a two-year sequence in music theory, Music 31–32, 33–34, as basic to all academic study of music. The *rite* major with concentration in theory or music history consists of a minimum of eight semester courses. The *rite* major with concentration in performance consists of a minimum of nine semester courses including at least six half courses in performance, Music H29–H30.

Honors Program. The honors major should elect the course of study stipulated for the *rite* major plus Music 77–78. The senior project acceptable for honors in music may be an historical or critical thesis, a composition, or a formal recital, dependent upon the student's field of concentration.

Distribution Sequence. Two-course sequences are any two full courses offered by the Department. Three-course sequences are any three full courses offered by the Department.

11s. Introduction to Music. The elements of musical design; a creative engagement with the problems of the composer and listener. Three class meetings a week.
    Elective for Freshmen. Second semester. Professor Wheelock.

15. Listening. A study of representative works from the history of music. This course does not require previous musical study.
    Elective for Freshmen. First semester. Professor Mishkin.

21. History of Western Music 1100–1650. A survey of major composers and stylistic developments in the medieval, renaissance and early baroque eras. Three class meetings a week.
    Requisite: Music 11 or the consent of the instructor. Elective for Sophomores. First semester. Omitted 1971–72. To be given 1972–73. Professor May.

27. Chamber Music. The relation of ensemble size to level of musical thought. Examples will be studied from renaissance consort music, baroque trio sonatas, classical and romantic string quartets and modern ensembles

*On leave 1971–72.

of diverse instrumentation including jazz and improvisational ensembles. Three class meetings a week.

First semester. Omitted 1971–72. Professor Wheelock.

Performance. To receive academic credit for private instrumental or vocal instruction a student must follow one of the two plans adopted by the Department and register his option in writing with the Music Department before each semester, as well as including the information in his regular registration forms.

The general regulations for performance instruction under either plan are:

1. Consult the Chairman of the Amherst Music Department who will arrange for teachers, auditions and lesson schedules.
2. One hour of private instruction and nine hours of practice a week are expected.
3. Unless otherwise arranged with the Department, all performance courses will be elected for one half course (two semester hours).
4. Two performance half courses may be counted as the equivalent of one full course for fulfilling degree requirements. Study for less than two consecutive semesters will not be counted for satisfying degree requirements.
5. A student electing a performance course may carry four and a half courses each semester, or four and a half courses the first and three and a half courses the second semester.
6. Only with special permission of the Department may students elect more than one performance course in a semester.

PLAN I. Under a cooperative arrangement with Smith and Mount Holyoke Colleges performance courses are offered in keyboard, string and wind instruments and in voice. Instruction will be given by members of the Music Departments of Smith and Mount Holyoke Colleges. Course listings, requisites and instructors can be found in the course bulletins of each college. Under Plan I a seperate Five-College Interchange Course Application is completed by the student for each semester course in performance, listing his instrument and the appropriate Smith or Mount Holyoke course number. These application blanks are available at both the Registrar's and Music Department's offices.

It should be noted that an extra fee is charged to cover a portion of the expense for this special type of instruction. For 1971–1972 the fee charged the student for each semester course will be: Smith College, $150.00; Mount Holyoke College, $112.00.

PLAN II. Amherst College **Music H29, H30.** In this plan students first consult the Chairman of the Amherst Music Department to make private arrangements for music instruction with teachers accredited by the Department. Students will arrange schedules and fees directly with their instructors, who must be among those approved by the Department. Registration should

be under the course listing: Amherst College—Music **H29** or **H30**; students should insure that they are also listed with the Music Department Office.

Elective for Freshmen with the consent of both the Amherst Music Department and the instructor. This course may be repeated. First and second semesters.

31. Elementary Theory. Basic principles of harmonic and contrapuntal technique. Triads and their inversions, nonharmonic tones, modulations, harmonizations in chorale style. Two class meetings a week.

Requisite: ability to play all written work and the consent of the instructor. Elective for Freshmen. First semester. Professor Mishkin.

32. Elementary Theory. A continuation of Music 31. Seventh chords, elementary phrase structure, formal analysis, binary composition. Two class meetings a week.

Requisite: Music 31. Elective for Freshmen. Second semester. Professor Mishkin.

33. Intermediate Theory. The theory of tonal music with particular emphasis on the 18th and 19th centuries. Exercises in basic musicianship, modal counterpoint and figured bass. Students will analyze works and write pieces modeled on them. Two class meetings and one conference (to be arranged) a week.

Requisite: Music 32. Elective for Sophomores. First semester. Omitted 1971–72. Professor May.

34. Intermediate Theory. A continuation of Music 33 with particular emphasis on the late 19th and 20th centuries. An introduction to the analytical methods of Schoenberg and Schenker. Two class meetings and one conference (to be arranged) a week.

Requisite: Music 33. Elective for Sophomores. Second semester. Omitted 1971–72. Professor May.

42. Bach. The Bach style studied in relation to the development of music since 1600. Three class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Juniors. Offered in alternate years. Second semester. Omitted 1971–72. Professor Mishkin.

43s. Mozart. A study of the instrumental and sacred choral music. Two class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Sophomores. Offered 1971–72 and in alternate years. Second semester. Professor Mishkin.

44f. Beethoven. A study of the piano, chamber, orchestral and choral music. Three class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Freshmen. Offered in alternate years. First semester. Omitted 1971–72. Professor Spratlan.

45. Opera. The development of the musical drama from 1600 with emphasis on a detailed study of operatic types. Concentration on representative works by Monteverdi, Handel, Mozart, Verdi and Wagner. Three class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Sophomores. Offered in 1971–72 and alternate years. First semester. Professor McInnes.

47. Nineteenth Century Music. Topics in the music of the Romantic era: post-Beethoven chamber and orchestral music; the miniature and the monumental; the effect on musical language of the programatic idea; nationalism and literary influences; lyric opera and the Music Drama. Two class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Juniors. Offered 1971–72 and in alternate years. First semester. Professor Spratlan.

48. Twentieth Century Music. Analyses of key works by Bartok, Berg, Debussy, Schoenberg, Stravinsky, and Webern and discussion of some recent developments. Three class meetings a week.

Requisite: Music 11 or the consent of the instructor. Elective for Juniors. Offered 1971–72 and in alternate years. Second semester. Professor Wheelock.

50. Music in the United States. A study of American musical culture with particular attention to the fusion of European and African elements. Three class meetings a week.

Elective for Freshmen. Second semester. Professor Spratlan.

69. Composition. A course in elementary composition beginning with simple inventions and emphasizing the study of twentieth century techniques. Included in the course will be demonstrations of orchestral instruments. Two meetings a week.

Requisite: ability to read music. Knowledge of traditional music theory is not required. Elective for Freshmen. First semester. Professor Wheelock.

70. Composition. A continuation of Music 69. Two class meetings a week.

Requisite: Music 69 or Music 31. Elective for Freshmen. Second semester. Professor Spratlan.

71. Composition Seminar. Composition according to the needs and experience of the individual student. Two class meetings a week and private conferences.

Requisite: Consent of the instructor. Elective for Juniors. First semester. Professors Spratlan and Wheelock.

72. Composition Seminar. A continuation of Music 71.

Requisite: Music 71 or the consent of the instructor. Music 71 and 72 may be elected for more than one year. Elective for Juniors. Second semester. Professors Spratlan and Wheelock.

77, D77, 78, D78. Conference Course. Advanced work in history, composition or performance for honors candidates. A thesis, a major composition or a formal recital will be required. No student shall elect more than one semester as a double course. A double course or a full course.

Elective for qualified Seniors. First and second semesters.

NATURAL SCIENCES

Advisory Committee: Professors Brower, Dempesy and Fink; Associate Professor Starr; Assistant Professor Kuntz and others.

This major is offered to the natural science oriented student whose professional goals would be best served by exposure to a broad spectrum of science courses rather than by an intensive study in a traditional science field. Examples of students who might find this program tailored to their needs are: A) A student intending to teach science at the secondary school level; B) A student interested in certain new sciences, e.g., oceanography or environmental studies, which make use of many traditional areas; C) A student preparing for further study in the history or philosophy of science; D) A student oriented toward graduate study in business administration with the intention of becoming an administrator in a science-oriented industry.

This program is *not* intended for students interested in structuring a major around only two departments, e.g. a Chemistry student who wishes to substitute courses in Biology for some of the Chemistry requirements, or a Philosophy student desiring to replace certain Philosophy requirements with Physics courses. Such students should employ the Interdepartmental Major to achieve their aims. The Natural Sciences Major has been established specifically for students wishing to design a major around *more* than two departments (and primarily those within Division III). Students approaching the Natural Sciences Committee about the program should be certain that they possess such broad interests.

The courses for this program are selected from the standard offerings of the various science departments and, in special cases, from certain related departments (see below). The members of the faculty committee indicated above serve as advisors to students and administrators of the honors program, the comprehensive examination, and other departmental functions. Admission to this major will be considered on a case by case basis, and the Committee as a whole will be the final judge of the acceptability of any proposal. Any student who feels he might benefit from such a program is urged to consult with a committee member as early as possible to discuss his particular case and to consider feasible lines of study. No student will be admitted to the program after 14 days of the second semester of his Junior year.

Major Program: All students must complete the following basic requirements: Mathematics 11; 2 courses from one department within Division III; 2 courses from another department within Division III; 3 courses from a third department within Division III.

In addition, each student must select in consultation with a Committee member at least three more courses within Division III to complete a program exhibiting a coherent structure relevant to his educational goals. Variation on this requirement will be permitted a student whose interests demand that courses outside of Division III (e.g. in Philosophy, Economics, History, etc.) be included in his major program. Final approval of any program must be obtained from the Committee as a whole. A comprehensive exam prepared on an individual basis will be given during the first semester of the Senior year.

Honors Program: A candidate for degree with honors must complete five courses beyond the basic requirements (rather than the three specified for the *rite* major). These must include Natural Sciences 77, and 78 or D78. With the approval of the Committee, an honors candidate may choose to do his senior honors work with any interested faculty member from a discipline relevant to his program. Examples of possible honors projects are: A) Teaching for one semester in a local secondary school, plus a semester of evaluation. B) Honoring within a regular Division III Department (provided sufficient work has been pursued within that Department to warrant acceptance of the student at the honors level). C) Special Topics with one or more departments (not necessarily within Division III, but related).

The comprehensive exam, with additional individually designed portions, must also be taken by honors candidates in the first semester of the senior year.

77, D78. Natural Sciences Honors. Individual, independent work on a problem approved by the committee, culminating in the presentation of a thesis.

Elective for Seniors admitted to the honors program. Full course first semester. Double course second semester. The Committee.

97, H97, 98, H98. Special Topics. Independent Reading. Full or half course. First and Second semesters.

PHILOSOPHY

Professors Epstein, Kennick (Chairman) and Pemberton; Assistant Professors A. Barnes, G. Barnes and Sicha.

Major Program. Problems of Inquiry 1; Philosophy 17 and 18; at least six other courses within a major program approved by the Philosophy Department before the beginning of the second semester of the student's junior year; a comprehensive examination.

Honors Program. Problems of Inquiry 1; Philosophy 17 and 18; Philosophy 77 and D78; at least four other courses within a major program approved by the Philosophy Department before the beginning of the second semester of the student's junior year; a comprehensive examination. Early in the first semester of the senior year, each honors candidate will submit a thesis topic for approval of the Department and will present to a meeting of philosophy majors and members of the Philosophy Department a general discussion of his proposed thesis topic. Late in the same semester he will present to a similar meeting a draft of part of the thesis; this draft will have been distributed beforehand and will be discussed at this time. A draft of the entire thesis will be presented and discussed at a meeting during the week after Spring vacation. The thesis will be due on May 1.

Comprehensive Examination. Members of the class of 1972 and subsequent classes will take their comprehensive examination in the third week of the second semester of their junior year. The examination will consist of questions which are distributed to the student two weeks before the examination. Of the total number of questions, some number determined by the Philosophy Department will be answered by each student. The student may choose to do a wholly oral examination, a wholly written examination, or a partly oral and partly written examination. He will be required to present an oral explication of any part of his examination that is written. When necessary, the above procedures will be altered appropriately in the case of students who declare their philosophy major late.

Distribution Sequences. Two-course sequences: any two courses, subject to requisites, but not any of the following combinations: 11(11s) and 46f; 13 and 46f. Three-course sequences: subject to requisites, any three courses, but not including both 13 and 46f, or both 11(11s) and 46f.

Organization of the Philosophy Curriculum. The following division of the philosophy courses into groups is intended as an aid to the student in his selection of philosophy courses. Group I: 11(11s), 13, 17, 18; Group II: 21, 21s; Group III: 31, 32, 33, 34f, 35s; Group IV: 46f, 48, 61, 62, 77, D78.

Two-Year Schedule of Philosophy Courses. As an aid to the student in long-range planning of his schedule, the Department will adhere to the following alternating yearly schedule of course offerings. First year, first semester: 11 (two sections), 13, 17, 21, 33, 34f, 61; first year, second semester: 11s (two sections), 18, 21s, 32, 48, 62. Second year, first semester: 11 (two sections), 13, 17, 21, 31, 33, 61; second year, second semester: 11s (one section), 18, 21s, 35s, 46f, 48, 62. The academic year 1970–71 is a first year, the year 1971–72 a second year, and so on.

GROUP I

11. Introduction to Philosophy. Training in philosophical reasoning. Classical and contemporary authors, chosen to exemplify basic problems of philosophy, will be discussed. Three class hours per week.

Elective for Freshmen. Each section limited to 25 students. First semester. Professors G. Barnes and Sicha.

11s. Introduction to Philosophy. Same course as Philosophy 11.

Elective for Freshmen. Each section limited to 25 students. Second semester. Professor A. Barnes.

13. Introduction to Logic and the Methods of Scientific Inquiry. The elements of: (1) traditional and modern formulations of conditions of valid inference, (2) the structure of probable inference, (3) the conditions for such representative procedures in the sciences as definition and classification, measurement, sampling and induction, the formation and confirmation of hypotheses, (4) philosophies of logic; special emphasis on a functional analysis of formal structures in the pattern of scientific inquiry. Three class hours per week.

Elective for Freshmen. First semester. Professor Epstein.

17. History of Ancient and Medieval Philosophy. A survey of European philosophy from the early Greeks to the end of the Middle Ages, with emphasis on the presocratic philosophers, Plato, Aristotle, St. Augustine, and St. Thomas Aquinas. Reading and discussion of selected works of the period. Three class hours per week.

Elective for Freshmen. First semester. Professor Kennick.

18. History of Modern Philosophy. A survey of European philosophy from 1500 to the present, with emphasis on Descartes, Leibniz, Spinoza, Locke,

Berkeley, Hume, and Kant. Reading and discussion of selected works of the period. Three class hours per week.

Requisite: Philosophy 17 or the consent of the instructor. Elective for Freshmen. Second semester. Professor Kennick.

GROUP II

21. Topics in Philosophy. This course surveys (a) the work of one philosopher, or (b) a period or school of philosophy, or (c) the basic historical writings in a subject not taught in regular courses. This course may be repeated for credit by permission of the Department.

In 1971–72, **Pragmatism.** A study of certain of the important works of Peirce, James, Mead, and Dewey.

Requisite: Permission of instructor. (Suggested: one philosophy course from Group I passed with at least a C). Elective for Freshmen. First semester. Professor Epstein.

21s. Topics in Philosophy. This course is devoted to the study of one work of social philosophy, or one social philosopher, or one school of social philosophy. This course may be repeated for credit by permission of the Department.

In 1971–72, the topic is the philosophy of law.

Requisite: Permission of instructor. (Suggested: one philosophy course from Group I passed with at least a C). Elective for Freshmen. Second semester. Professor Sicha.

GROUP III

31. Aesthetics. A critical examination of selected theories of the nature of art, expression, creativity, artistic truth, aesthetic experience, interpretation and criticism. Special emphasis is placed on the thought of modern philosophers and critics. Three class hours per week.

Requisite: Permission of instructor. (Suggested: two philosophy courses passed with at least a C). Elective for Sophomores. First semester. Professor Kennick.

32. Metaphysics. A critical examination of selected metaphysical theories in the light of the arguments used to support them. The topics of sample theories include: appearance and reality; sense-data; solipsism; space, time, and infinity; universals; the existence of God; the nature of mind.

Requisite: Permission of instructor. (Suggested: two philosophy courses passed with at least a C). Elective for Sophomores. Second semester. Omitted 1971–72. Professor Kennick.

Philosophy of Religion. See Religion 33.

Requisite: Permission of the instructor. (Suggested: Philosophy 11 and either Philosophy 17 or Religion 16.) Elective for Sophomores. First semester. Omitted 1971–72. Professor Pemberton.

34f. Ethics. A discussion of some of the major problems arising in moral philosophy, e.g.: the derivability of "ought" from "is"; rule utilitarianism vs. act utilitarianism; non-cognitivism; the naturalistic fallacy; justice; punishment.

Requisite: Permission of instructor. (Suggested: two philosophy courses passed with at least a C). Elective for Sophomores. First semester. Omitted 1971–72. Professor Barnes.

35s. Epistemology. A treatment of traditional problems concerning the nature and acquisition of knowledge.

Requisite: Permission of instructor. (Suggested: two philosophy courses passed with at least a C.) Elective for Sophomores. Second semester. Professor Sicha.

GROUP IV

46f. Symbolic Logic. A rigorous formal treatment of first-order logics, including a discussion of consistency and completeness and of formal arithmetic, including Gidel's Incompleteness Theorem. This course is designed for students with an interest in mathematics and with some mathematical sophistication.

Requisite: Permission of instructor. First semester. Professor Sicha.

48. Philosophy of Science. An examination of Concept Formation, Explanation, and Confirmation in the physical and social sciences. Detailed results will be brought to bear on such representative issues as: the relation between theory and measurement, the logical character of scientific laws and theories, causality and indeterminism.

Requisite: Permission of instructor. (Suggested: two philosophy courses passed with at least a C). Elective for Sophomores. Second semester. Professor Epstein.

61. Seminar in Philosophy. An examination of philosophical problems raised by Freud's concept of unconscious psychological processes. Readings will include Freud's *General Introduction to Psychoanalysis*, and numerous recent philosophical papers.

Requisite: Permission of instructor. (Suggested: three philosophy courses passed with at least a C, at least one of which is from Group III.) Elective for Juniors. First semester. Professor G. Barnes.

62. Seminar in Philosophy. A study of the notions of distributive and retributive justice, and related notions such as equality, happiness, and rights. Readings from classical and contemporary sources.

Requisite: Permission of instructor. (Suggested: three philosophy courses passed with at least a C, at least one of which is from Group III). Elective for Juniors. Second semester. Omitted 1971–72. Professor G. Barnes.

77. Conference Course. Required of candidates for honors in philosophy. The writing of an original essay on a topic chosen by the student and approved by the Department.

Elective for Seniors. First semester. The Department.

D78. Conference Course. Required of candidates for honors in philosophy. A continuation of Philosophy 77. A double course.

Elective for Seniors. Second semester. The Department.

97. Special Topics. Independent Reading Course. Reading in an area selected by the student and approved in advance by a member of the Department.

Requisite: Permission of the instructor. First semester.

98. Special Topics. Independent Reading Course. Same as Philosophy 97.

Requisite: Permission of the instructor. Second semester.

PHYSICAL EDUCATION

Professors Dunbar, McCabe (Chairman), Ostendarp and Wilson; Associate Professors Mehr, Serues and Thurston; Assistant Professors Gooding, Littlefield and Terrill; Mr. Rokoszak.

Complete physical examination, adapted physical education program for special students. Required freshman program of team games, individual sports and recreational activities, with an emphasis on skill acquisition in a breadth of activities.

An individually structured and scheduled sophomore program, operating through an advisory system, emphasizes carry-over activities and life-long recreational pursuits.

A detailed statement concerning the department's program is available in the Office of the Registrar.

PHYSICS

Professors Benson, Dempesy, Gordon, Romer, and Towne (Chairman); Assistant Professors Tinker and Valberg.

Major Program. The minimum course requirements for a major in physics are as follows: Mathematics 11, 12, 21; Physics 13, 14, 23, 26, 27, 28 and 36.

In addition, all physics majors will attend the Physics Seminar during their junior year, and will participate actively in it in the senior year. Majors will be required to demonstrate ability in computer programming. Students should consult the Department for information concerning the various ways this requirement can be satisfied. Senior majors must pass a written comprehensive examination.

Problems of Inquiry 3 is not required of physics majors.

Honors Program. The course requirements for a major with honors are the specific courses listed above, plus Physics 58, 77 and 78. (For students intending to make a career in physics, Physics 73 and 75 and at least one additional mathematics course are strongly recommended.) At the end of the first semester of the senior year, the student's performance on the first comprehensive examination, together with his progress on his honors problem, will determine the advisability of his being allowed to continue the honors program.

Any student considering a major in physics should seek the advice of a member of the Department as early as possible in order to work out a program best suited to his interest and ability, whether he is considering a career in physics, engineering, secondary school science teaching, one of the inter-science fields such as biophysics, or a non-scientific career. Mathematics 11 should be taken during the first semester of freshman year by anyone contemplating an honors major, and in any event no later than the second semester. Prospective physics majors should plan to take Physics 26 at the earliest convenient time. It should be noted that, at the discretion of the instructor, stated prerequisites may be waived if warranted by individual circumstances. Students interested in majoring in biophysics should consult the separate biophysics listing.

The aim of honors work in physics is to provide an opportunity for the student to develop under faculty direction his ability and interest in individual investigation, and his skill in experimental or theoretical techniques. The primary fields of experimental research in progress in the department are low temperature physics, nuclear magnetic resonance, mass spectrometry and oceanography. In addition, however, experimental equipment is available for work in some phases of magnetism, x-rays, optics, electronics, and atomic and nuclear physics. The student is given facilities to review the literature in the field chosen, to design, construct and assemble his experimental equipment, to perform experiments, and finally to prepare a thesis, which is due in May. During the spring, he will also present his work in the Physics Seminar, and at the end of the second semester, he will take an oral examination, in addition to the written comprehensive examinations required of all physics majors (see above). This oral examination is devoted pri-

marily to the student's thesis and to questions suggested by his work on the written comprehensive examinations.

The departmental recommendation for the various degrees of honors will be based on the student's record in the Department, the honors work, and the comprehensive and oral examinations.

Distribution Sequences. Physics 11, 12 constitute a two-semester sequence intended primarily for non-science majors. Mathematics 11, Physics 13 or Physics 13, 14 constitute a two-course sequence and Mathematics 11, Physics 13, 14 a three-course sequence.

Fundamental Concepts of Physical Science. See Chemistry 10f.

Elective for Freshmen with the consent of the instructor. First semester.

11. The Rise of Twentieth-Century Physics. Physics 11 and Physics 12 constitute a two-course sequence, intended primarily for non-science majors. Emphasis is placed on topics and conceptual problems which have played especially important roles in the development of physics and have influenced other areas of thought. Topics from mechanics and gravitation, optics, electromagnetism, and the two revolutionary conceptual developments of this century: relativity and quantum theory. Wave-particle duality and indeterminism. Discussion of some contemporary unsettled problems concerning the "fundamental particles" from an introductory point of view. Any needed mathematics beyond algebra and elementary trigonometry will be developed as the need arises. Three class hours per week and occasional laboratories.

Elective for Freshmen. First semester. Professor Dempesy.

12. The Rise of Twentieth-Century Physics. The second semester of the course outlined above under Physics 11.

Requisite: Physics 11. Second semester. Professor Dempesy.

13. Introductory Physics. Kinematics in three dimensions; Newton's laws of motion; the conservation of linear momentum and energy; rotational kinematics and dynamics; angular momentum; Bohr's theory of the hydrogen atom. Four hours of lecture and discussion and one three-hour laboratory per week.

Requisite: Mathematics 11 or its equivalent. Elective for Freshmen. (Students who have not had high school physics should consult with the Department and may be advised to take Problems of Inquiry 3 before entering Physics 13.) First semester. Professor Valberg.

13s. Introductory Physics. Same course description as Physics 13.

Second semester. Professor Towne.

14. Introductory Physics (second part). Development of elementary field concepts of electricity and magnetism; simple d-c and a-c electrical circuits.

Transient and steady-state response of both mechanical and electrical resonant systems. Four hours of lecture and discussion and one three-hour laboratory per week.

Requisite: Physics 13 or 13s. Elective for Freshmen. Second semester. Professor Benson.

14f. Introductory Physics (second part). Same course description as Physics 14.

First semester. Professor Gordon.

Colloquium in Environmental Chemistry and Physics. See Colloquia, p. 178.

Enrollment is limited; permission of the instructors required. Second semester. Professors Fink, Romer, and Yost.

23. Modern Physics. Relativistic kinematics and dynamics: Lorentz transformation, conservation laws of momentum and mass-energy, the Lorentz force law. Photons: the photoelectric and Compton effects, pair production. Matter waves: the de Broglie relation, Bragg reflection, Heisenberg's uncertainty principle. Particle detectors and accelerators. Nuclear structure: Alpha, beta and gamma decay, discovery of the neutron and the neutrino, natural radioactivity. Lectures three hours a week. Seven experiments will be performed during the course of the semester.

Requisite: Physics 14. Elective for Sophomores. First semester. Professors Tinker and Towne.

26. Mechanics. Solution of problems in one-dimensional motion; central forces; the two-body problem; rotating frames of reference; scattering theory. Four class hours per week.

Requisite: Physics 14 or 14f, Mathematics 21 or 21s. Elective for Sophomores. Second semester. Professor Benson.

27. Wave Phenomena. General characteristics of wave motion approached through the wave equation and the solution to boundary value problems. Energy relationships, diffraction, interference, reflection, refraction and polarization. Normal modes and eigenfunction expansions. Each phenomenon will be discussed in the context of either optics or acoustics depending upon the relative importance of its application in the two fields. Four class hours per week and occasional laboratories.

Requisite: Physics 14 or 14f, Mathematics 21 or 21s, Physics 26, or consent of the instructor. Elective for Sophomores. First semester. Professor Dempesy.

28. Electrical Measurements and Electronics. Laboratory work dealing with electrical and magnetic measurements, d-c, and a-c circuits, transistor electronics, and microwave measurements. Emphasis is placed on actual labora-

tory investigation, with special attention to transistor circuits. In special cases experiments may be selected to fit the needs of individual students. Two hours of lecture and two three-hour laboratories per week.

Requisite: Physics 14 or 14f. Elective for Sophomores. Second semester. Professors Romer and Valberg.

28f. Electrical Measurements and Electronics. Same course description as Physics 28.

Elective for Sophomores. First semester. Professors Benson and Romer.

36. Thermal and Quantum Physics. First and second laws of thermodynamics, application to simple systems. Blackbody radiation. Basic postulates of Quantum Mechanics. Schroedinger equation and wave functions. Heisenberg uncertainty principle, potential wells and the Hydrogen atom. Pauli exclusion principle. Atomic structure and spectra. X-rays. Zeeman effect. Application of Quantum Mechanics to theories of solids. The nucleus. Elementary particles and classification schemes. Lectures three hours a week. Seven experiments will be performed during the course of the semester.

Requisites: Physics 23, Physics 26, Physics 27, or equivalents. Elective for Juniors. Second semester. Professors Dempesy and Tinker.

58. Electromagnetic Theory. A development of Maxwell's electromagnetic field equations and some of their consequences. Electrostatics, potential theory, static magnetic fields, macroscopic theory of dielectric and magnetic materials, Poynting's theorem, electromagnetic waves, radiation from an accelerated charge. Four class hours per week.

Requisite: Physics 26. Second semester. Professor Gordon.

73. Analytical Dynamics and Wave Mechanics. Lagrangian and Hamiltonian formulations of classical mechanics. Calculus of variations and Fourier integral analysis. Quantum mechanical expectation values, Ehrenfest's theorem, uncertainty principles. Eigenfunctions of square potentials, harmonic oscillator, hydrogen atom. Four class hours per week.

Requisites: Physics 36. Elective for Juniors. First semester. Professor Tinker.

75. Thermodynamics and Statistical Mechanics. First, second and third laws of thermodynamics with applications to various physical systems. Phase transitions. Applications to low temperature physics, including superconductors and liquid helium. Introductory kinetic theory and statistical mechanics. Applications of Fermi-Dirac and Bose-Einstein statistics. Four class hours per week.

Requisites: Physics 36, or consent of instructor. First semester. Professor Benson.

77. Honors Course. Individual, independent work on some problem, usually in experimental physics. Reading, consultation and seminars, and laboratory work.

Elective for Seniors who have been admitted to the honors program. First semester. The Department.

78, D78, Honors Course. Same course description as Physics 77. A single or a double course.

Requisite: Physics 77. Second semester. The Department.

97, H97, 98, H98. Special Topics. Independent Reading Course. Full or half course.

First and second semesters.

POLITICAL SCIENCE

Professors Kateb,* Latham (Chairman), and Ziegler;* Visiting Associate Professor Connolly; Assistant Professors Arkes and Taubman; Mr. Schloming.

Major Program. A major in political science consists of nine courses in political science. Political Science 11 or 11s is a prerequisite for all majors, and for non-majors satisfying a distribution requirement in political science.

There are four major study areas within the Department as follows: American government, comparative politics, international relations, and political theory. The *basic courses* in each of these divisions are, respectively, Political Science 21; Political Science 25; Political Science 26; and Political Science 28. Five of the nine courses required for a major in political science must be Political Science 11 or 11s and the four basic courses in the indicated divisions.

Rite majors are required to take Political Science 76 in their senior year.

All majors in political science may be required to pass a comprehensive examination in political science. This examination will cover the discipline as a whole and will be written or oral or both written and oral as the Department may prescribe.

Honors Program. The honors program is designed to provide qualified students in political science with full opportunity for independent research and writing. Candidates for honors in political science will take Political Science D77 and 78. A cumulative average of 9 is required for admission to the honors program.

Distribution Sequences. Non-majors satisfying a two- or three-course distribution requirement in political science will take Political Science 11 or

*On leave 1971-72.

11s and any other course or courses in the Department. Non-majors not satisfying a distribution requirement in political science may elect any course in the Department.

11. Introduction to Political Science. An analytical treatment of the role of politics in human society. Attention will be given to the theoretical and historical bases of political institutions, the social roots of political behavior, and the characteristics of the political process. Three class meetings per week.

First semester. Professor Latham.

11s. Introduction to Political Science. Same description as above.

Second semester. Professor Latham.

21. American Government. An introduction to the major problems of American democracy; their political, economic and social implications and their historical evolution. Politics and administration in their relation to constitutional government, federalism, suffrage, governmental functions, etc. Four class meetings per week.

First semester. Omitted 1971–72. Professor Ziegler.

25. Comparative European Politics. An examination of the government and politics of three European political systems: Great Britain, France, and the Soviet Union. Attention is given to the manner in which the formal institutions of government influence, and are influenced by, changing social, economic and cultural conditions. The political aspects of such problems as the concentration of economic power, the growth of the Welfare State and an industrial society, the decline (or persistence) of class distinctions, the growth of bureaucratic influence are discussed in a comparative setting. Three class meetings per week.

First semester. Mr. Schloming.

26. World Politics. International conflict and cooperation in historical and contemporary perspective. The struggle for power, the search for order and the limits of each. Special attention will be given to the national perspectives and foreign policies of the United States, the Soviet Union, and China. Three class meetings per week.

Second semester. Professor Taubman.

27s. The Politics of the Soviet Bloc. Beginning with a study of the Soviet political models and a comparison of that model with the political systems of other Communist states, the course will concentrate on the intra-bloc politics and international relations of the Communist bloc.

Second semester. Professor Taubman.

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28. Political Theory from Hobbes to the Present. A study of some of the major writers who have dealt with questions of political practice and political morality in a systematic way. Three class meetings per week.

Second semester. Professor Connolly.

Colloquium in Fine Arts, History, and Political Science: The City. See Colloquia, p. 179.

Requisites: Fine Arts 11, or History 11, or Political Science 11, or European Studies major. Also recommended are one (or more) of the following: Classics 23, 24; Fine Arts 30, 33, 40; History 21, 23, 24, 26, 28; Political Science 28, 32. To be offered only once. Second semester. Professor Arkes, Cheyette, and Westfall.

31. Political Parties. An analysis of the place of the political party in the modern political system. Primary emphasis is given to party as a factor in defining the character of the political regime: party as a reflector and modifier of legal institutions; the effect of party on voting and legislative behavior; the relations among parties, bureaucracy, and outside groups; the economic and social consequences of party structure. The principal focus will be on American politics, but comparative materials will also be drawn from European and non-Western countries. In election years, classroom work will be supplemented by participation in a political campaign. Three class meetings per week.

First semester. Professor Arkes.

32. Urban Politics. The city as a distinct theater of politics. Attention will be given to political machines, minority groups, the linkage between local and national politics, and selected policy problems.

Admission with the consent of the instructor. Second semester. Professor Arkes.

33s. Public Opinion. An exploration of public opinion in its distinctly political aspects: public opinion as regulating the scope of the political system; the relation between opinion and authority; the tests and contents which make some opinions more justified in ruling. Attention will be devoted to the measurement of opinion; the influence of demographic factors; the impact of small groups, the media, and voluntary associations. Opinion surveys will be combined with writings on political theory; and there will be some consideration also of the empirical commitments which may arise from using the language of "public opinion" and "public interest" in political discourse. Classroom work plus participation in the design, administration, and analysis of an opinion survey. Three class meetings per week.

Second semester. Omitted 1971–72. Professor Arkes.

41. American Constitutional Development. The development of American constitutional philosophy since 1787 under three general heads: the Agrar-

ian Constitution, the Laissez-Faire Constitution, and the Welfare Constitution. Topics will include the Marshall and Taney eras, constitutional problems of slavery, the Civil War and Reconstruction, the constitutional foundations of nineteenth century capitalism, constitutional problems of federal and state regulation, civil liberties in the twentieth century, the constitutional crisis of 1935–1937, and current problems of constitutional interpretation. Attention will be given to the judicial philosophies of the Federalist and Jacksonian judges, Field, Miller, Waite, Harlan, Holmes, Brandeis, Stone, Black, and Frankfurter. Three class meetings per week.

First semester. Professor Latham.

42f. Administrative Law. An introduction to the American system of legal control exercised by other law administering agencies than the courts, with special reference to doctrines developed by the Interstate Commerce Commission, Securities and Exchange Commission, Federal Trade Commission, and the National Labor Relations Board. The course deals with the formulation of legislative purposes and administrative policies; administrative and judicial responsibilities for the enforcement of agency programs; and the nature and extent of judicial control over administrative action. Three class meetings per week.

Limited to twenty-five students. First semester. Omitted 1971–72. Professor Ziegler.

43. Bureaucracy and Modern Society. Bureaucracy as the center of the problem of politics in modern society. Topics will include bureaucracy as a system of domination; the social preconditions and consequences of bureaucratization; the relation of administrative agencies to interest groups and political parties; and the administrative structure as a reflection of the culture and the political regime. Case studies on American bureaucracy will be used as a basis for cross-national comparisons. The inquiry will respond to the concerns about bureaucratic power and social organizations which have been raised by such writers as Marx, Weber, Tocqueville, and Gandhi, as well as contemporary social scientists. Three class meetings per week.

First semester. Professor Arkes.

44. Politics in Developing Nations. An examination of the role of politics in the process of modernization in the developing nations, with special emphasis on Africa. Particular attention is given to such topics as the legacy of colonialism, the fragmenting and integrating influences of traditionalism and nationalism, the strengths and weaknesses of the single party system, the importance of elites and ideologies, the role of the military and bureaucracy, the problems of managing economic development, and the sources of stability and revolution. Three class meetings per week.

Second semester. Mr. Schloming.

46. International Law. The historical basis and present trends in the development of international law will be discussed and related to the social, economic, and political aspects of present day world politics and government. Four class meetings per week.

Second semester. Omitted 1971–72. Professor Ziegler.

48. American Political Thought. A study of some of the major political ideas which have been formulated in response to American conditions from colonial times to the present. Connections with European thought will also be discussed. Three class meetings per week.

Second semester. Omitted 1971–72. Professor Kateb.

49. Political Theory from Plato to Machiavelli. A study of some of the major writers who have dealt with questions of political practice and political morality in a systematic way. Readings and discussion. Three class meetings per week.

First semester. Omitted 1971–72. Professor Kateb.

52. Problems in Public Policy and Administration. Selected topics in public policy and administration. Conference course.

Limited to twenty-five students with the consent of the instructor. Second semester. Omitted 1971–72. Professor Latham.

54. Problems of Political Change and Political Order. The political means for managing major processes of change in contemporary societies are examined in a comparative perspective. Intensive study of a single broad topic, varying from year to year. The special topic for 1972 will be "Political Leadership." Consideration may be given, according to the interests of the seminar members, to such topics as political biography, the psychology of leadership and psychoanalytic interpretations of politics, charisma and personalism in the politics of modernization, elitism, crisis leadership, social origins and the recruitment of party leadership, leadership style and its relationship to its group or institutional context.

Limited to fifteen students, with the consent of the instructor. Second semester. Mr. Schloming.

57. Problems of International Politics. Communism, revolution, and intervention.

Admission with the consent of the instructor. First semester. Professor Taubman.

59. Contemporary Political Thought. A study of some of the major writers who have tried to come to terms with the political features of modernity. Among those read are the radical romantics; the existentialists; the inheri-

tors of Marx and Freud; and the positivists and their enemies. Conference course.

Admission with the consent of the instructor. First semester. Omitted 1971–72. Professor Kateb.

76. Senior Rite Seminar.
Second semester. Professor Latham.

D77–78. Honors Course. Double course, full course: totaling three full courses.

Elective for Seniors who have satisfed the necessary requirements. First and second semesters. The Department.

97. Special Topics.
First semester.

98. Special Topics.
Second semester.

Problems of Inquiry. See page 65.

PSYCHOLOGY

Professors Coplin and Koester; Associate Professors Grose, and Olver (Chairman) and Visiting Associate Professor Irons; Visiting Assistant Professor Wise.

Major Progam. Students majoring in psychology are required to elect eight full courses in psychology or closely allied fields. No more than one or two courses may be taken in allied fields. Psychology 11 should be elected no later than the sophomore year by students who plan to major in psychology.

A comprehensive examination is given to all majors during the second semester of the senior year.

Honors Program. Honors work consists of conducting a research project and taking an oral examination based upon a written thesis. Honor students elect Psychology 77 and 78 during the senior year.

Distribution Sequences. The distribution requirement in the social science division may be satisfied in psychology by the election of Psychology 11 and any course in the department with the exception of Psychology 23 and 29.

11. Introduction to Psychology. An introduction to the nature of psychological inquiry with emphasis upon major determinants of psychological phenomena. Lectures and section meetings.

Elective for Freshmen. First semester. Professors Irons and Olver.

11s. Introduction to Psychology. Same course description as Psychology 11.

Elective for Freshmen. Second semester. Professor Koester.

20. Social Psychology. A social psychological analysis of individual and group behavior.

Requisite: Psychology 11. Elective for Freshmen. Second semester. Professor Irons.

21. Personality. A study of attempts that have been made to provide an empirical and theoretical understanding of those characteristics of the person which are related to his distinctive ways of experiencing and behaving. A variety of theoretical models of the person will be examined and critically evaluated.

Requisite: Psychology 11. Elective for Sophomores. First semester. Professor Koester.

21s. Personality. Same course description as Psychology 21.

Elective for Freshmen. Second semester. Omitted 1971–72.

22f. Perception. A study of the environmental variables and underlying physiological processes which determine basic properties of human perception.

Requisite: Psychology 11. Elective for Sophomores. First semester. Omitted 1971–72.

23. Research Design and Quantitative Methods. A study of psychological research procedures and quantitative methods, especially statistical procedures, that are used in the analysis and interpretation of findings obtained by means of experimental and empirical methods.

Requisite: Psychology 11. Elective for Sophomores. First semester. Omitted 1971–72.

24. Cognition. A study of cognitive processes with emphasis upon the techniques by which man represents his world and the consequences of representation for behavior.

Requisite: Psychology 11. Elective for Freshmen. Second semester. Professor Olver.

25s. Learning. The course this semester will stress learning principles as they relate to behavior modification and will be taught as a seminar.

Requisite: Psychology 11 and permission of the instructor. Second semester. Professor Koester.

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26f. Physiological Psychology. Selected topics concerned with biological correlates of psychological functions.

Requisite: Psychology 11 or, for Juniors, the permission of the instructor. Elective for Sophomores. First semester. Professor Wise.

27s. Developmental Psychology. A study of human development with emphasis upon the general characteristics of various stages of development from birth to adolescence and upon general determinants of the developmental process.

Requisite: Psychology 11. Elective for Sophomores. Second semester. Professor Olver.

28f. Abnormal Psychology. A study of the etiology and psychodynamics of psychological deviance with a focus on the psychological diagnosis and psychotherapy of the behavior disorders.

Requisite: Psychology 11. Elective for Sophomores. First semester. Professor Coplin.

29s. Human Sexuality. A study of the biological and psychological findings concerning the development and expression of sexuality.

Elective for Freshmen. Second semester. Professor Coplin.

32. Introduction to Psychoanalytic Thought. A study of psychoanalytic attempts to provide a theoretical understanding of human personality.

Requisite: Psychology 11. Limited enrollment; permission of the instructor required. Elective for Sophomores. Second semester. Omitted 1971–72. Professor Koester.

34. Educational Psychology. A psychological analysis of the educational process. The course is designed both for prospective teachers and for those who have a general interest in the field of education. One two-hour seminar a week, with added hours to be arranged.

Requisite: Psychology 11. Elective for Sophomores. Limited to fifteen students with the consent of the instructor. Second semester. Professor Grose.

36f. Psycholinguistics. Selected topics in the psychology of language focusing on the psychological processes involved in speaking and understanding language and the consequences of such processes for perception, thought, and behavior.

Requisite: Psychology 11 and the permission of the instructor. Elective for Sophomores. Limited enrollment. First semester. Professor Olver.

41. Psychology Seminar. Members of the department will occasionally offer seminars designed to give the student an opportunity to study a selected topic in depth. In 1971–72, selected topics in personality.

Requisite: Psychology 21. Elective for Sophomores with the consent of the instructor. First semester. Professors Coplin, Irons and Koester.

42. Psychology Seminar. Same type of course as Psychology 41. Selected topics in social psychology.

Requisite: Psychology 11. Elective for Sophomores with the consent of the instructor. Second semester. Professor Irons.

77, 78 or D78. Senior Honors Course. Elective for senior majors in psychology who have received departmental approval. First and second semesters.

97, H97; 98, H98. Independent Study or Research. This course is open to qualified students who desire to engage in independent reading on selected topics or conduct research projects. Preference will be given to those students who have done good work in one or more departmental courses beyond the introductory level. A full course or a half course.

Elective for Juniors with the consent of the instructor. First and second semesters.

RELIGION

Professors B. Morgan, Mudge, and Pemberton; Assistant Professor Lee.

Major Program. Majors in Religion are required to take Problems of Inquiry 1, Religion 11, Introduction to Religion, and seven additional semester courses in Religion or related studies approved by the Department.

All majors are required, early in the second semester of the senior year, to take the comprehensive examination in Religion which will deal with the history and phenomenology of religious traditions, and selected topics from the fields of Bible, religious ethics, historical theology and philosophy of religion. Further information may be obtained from the members of the Department.

Honors Program. Honors in Religion shall consist of Religion 75 and the conference courses, Religion 77 and D78, taken in conjunction with a major in Religion (six additional semester courses are required for honors majors); satisfactory fulfillment of the general honors requirements of the College; satisfactory performance in the comprehensive examination; and the satisfactory preparation and oral defense of a scholarly essay on a topic approved by the Department.

Distribution Sequences. Two-course sequences: Religion 13 and 14f; Religion 11 and one of the following courses: Religion 12, 13, 14f, 16f, 21, 24, 33, 34, 35, 36 or 62.

Three-course sequences: One of the above two-course sequences and an additional Religion course. With the permission of the Department, a course from another department may be included in a three-course sequence where it is relevant to a special program of study.

11. Introduction to Religion. A systematic examination of the phenomenon of religion, its social, cultural, psychological, and personal ramifications, and the facts of similarity and diversity. Two case studies from non-Western and Western settings.

Elective for Freshmen. First semester. Professors Morgan and Lee.

11s. Introduction to Religion. Same as Religion 11.

Second semester. Professors Mudge and Pemberton.

12. Asian Religion. An introduction to a comparative study of man's religious understanding. In this semester, the course will explore the issue of the meaning of human existence from Hindu, Buddhist, Islamic, Asian Christian and Eastern philosophic perspectives. Readings and discussions.

Requisite: Religion 11 or some background in Asian history or culture or consent of the instructor. Elective for Freshmen. Second semester. Professor Lee.

13. The Old Testament. Foundations of the Hebrew-Christian tradition in the history, literature, and thought of the Old Testament. Emphasis is placed both on the biblical materials themselves and on the varying methodologies of contemporary Old Testament interpretation.

Elective for Freshmen. Omitted 1971–72. Professor Mudge.

14f. The New Testament. Foundations of the Christian tradition in the history, literature, and thought of the New Testament. Emphasis is placed both on the biblical materials themselves and the varying methodologies of contemporary New Testament interpretation.

Requisite: Religion 13 or consent of the instructor. Elective for Freshmen. First semester. Professor Mudge.

16f. The Western Religious Tradition. An examination of the development of Jewish and Christian thought from the Talmud and the Church Fathers to the present. Readings will include selections from the Talmud, St. Augustine, Maimonides, St. Thomas Aquinas, Dante, the Reformers, and later Jewish and Christian writers.

Elective for Freshmen. First semester. Professor Pemberton.

21. The History of Christian Social Thought. Study of original sources, from the Bible to the present day, along with such analytical and interpretive studies as Ernst Troeltsch, *The Social Teaching of the Christian*

Churches; several essays of Max Weber; H. Richard Niebuhr, *Christ and Culture;* and James M. Gustafson, *Christ and the Moral Life.*

Requisite: Religion 11, 13, 14f, 16f or 24, or consent of the instructor. Elective for Sophomores. Omitted 1971–72. Professor Morgan.

24. Sociology of Religion. Theological and sociological perspectives on current religious issues. The contribution of the classical tradition in the sociology of religion. A consideration of secularization and the Christian-Marxist dialogue.

Requisite: Sociology 11 or Religion 11 or consent of the instructor. Second semester. Professor Mudge.

33. Philosophy of Religion. An examination of some basic religious concepts in the light of philosophical analysis. Among topics to be considered are the nature and status of religious knowledge, the existence and nature of God, and some religious views of human nature and conduct.

Requisite: Permission of the instructor. (Suggested Philosophy 11 and either Philosophy 17 or Religion 16f). Elective for Sophomores. First semester. Omitted 1971–72. Professor Pemberton.

34. Religion in America. An examination of the intellectual and social history of religion in America, and its interaction with the changing cultural setting. Intensive study of black religion and its inter-action with the dominant religious structures.

Requisite: Religion 11 or consent of the instructor. Elective for Juniors. Second semester. Professor Morgan.

35. Contemporary Religious Thought. The question of transcendence in Western culture since the Enlightenment. Readings will be chosen from such writers as Marx, Kierkegaard, Nietzsche, Freud, Bonhoeffer, Buber, the "death of God" theologians, Moltmann, and Bloch.

Requisite: Religion 11 or consent of instructor. Elective for Juniors. First semester. Professor Mudge.

36. Christian Ethics in Contemporary Context. The social thought and action of modern Christian theologians and churchmen, in a setting characterized by the revolution in scientific technology, the revolutionary movements of the Third World, the intractability of international and intergroup hostilities, and the making of counter-cultures.

Requisite: Religion 11, 16 or 21, or consent of the instructor. Elective for Juniors. Omitted 1971–72. Professor Morgan.

Colloquium in Japanese Civilization and Culture. See Colloquia, p. 180.
Second semester. Professors Lee and R. Moore and Five-College Faculty.

62. Special Topics in Religion. Society and the Supernatural: social and religious change among the Yoruba of southwestern Nigeria. Special attention will be given to cult organization, ritual, and art in relationship to their social and cosmological contexts. One meeting per week.

Requisite: Religion 11 or Anthropology 11 or 31, or consent of the instructor. Second semester. Professor Pemberton.

Introduction to Black Religion in Africa and the Americas. See Black Studies 62.

Admission by consent of the instructor. First semester. Professor Davis and staff.

75. Methodology in the Study of Religion. At Amherst, required of candidates for honors in religion. Methods of interpreting religious phenomena. The relations and distinctions between studies in religion and other scholarly disciplines. Selected examples from various traditions. One meeting a week. The seminar will move from campus to campus throughout the term.

First semester. Professors Robert Lee (Amherst), William Shepherd (Smith), and Tadanori Yamashita (Mount Holyoke).

77. Conference Course. Required of candidates for honors in religion: Preparation and oral defense of a scholarly essay on a topic approved by the Department. Detailed outline of thesis and adequate bibliography for project required before Thanksgiving; preliminary version of substantial portion of thesis by end of semester.

Elective for Seniors with the consent of the instructors. First semester. The Department.

D78. Conference Course. Required of candidates for honors in religion: A continuation of Religion 77. A double course.

Elective for Seniors with the consent of the instructors. Second semester. The Department.

97. Special Topics. Independent Reading Course. Reading in an area selected by the student and approved in advance by a member of the Department. First semester. The Department.

98. Special Topics. Independent Reading Course. Same description as Religion 97. Second semester. The Department.

ROMANCE LANGUAGES

Professors Carre (Chairman), French,* Giordanetti and Johnson;‡ Assistant Professors Kaplan, Kent and A. Ryerson* and Visiting Assistant Professor Miller; Mr. Maraniss, Mrs. Watkins and assistants.

*On leave 1971–72.
‡On leave second semester 1971-72.

French

Major Program. The Department of French aims at flexibility and response to the plans and interests of the French major within a structure that affords diversity of experience in French literature and continuous training in the use of the language.

A major in French (both *rite* and honors) will normally consist of (a) eight courses within the Department or (b) six courses within the Department and two related courses chosen with departmental approval. All courses offered by the Department above French 5 may count for the major. The one rule of selection is that two of the six or three of the eight courses submitted for the major must be chosen from offerings in French literature before the nineteenth century.

Each major is encouraged to follow at least one independent reading course in the Department as part of his major program.

Upon request to the Department by students (majors or non-majors) a group seminar may be organized in any form and concerning any topic agreed upon by the participating students and teachers.

The minimum level of competence in the language for a French major is that represented by superior work in French 8 or by passage of a proficiency examination set by the Department, normally by the end of the sophomore year. To develop further his expressiveness and clarity in written French, the major must choose a) to take a special course in French stylistics; b) to take a literature course in which particular attention will be given to the written work of the French majors; or c) to meet regularly with a member of the Department to work on problems of writing.

The comprehensive examination—written and oral—required of all majors, is given in March of the senior year. The areas of examination in the comprehensive will be chosen normally during the junior year by the individual major in consultation and agreement with his major advisor.

Honors Program. In addition to the major program described above, a candidate for departmental honors must present a thesis and sustain an oral examination upon the thesis. He will elect D78 in the second semester of his senior year.

Combined Majors. Course programs for a joint major in French and Spanish, or French and Italian, or French and other languages are arranged by the student in consultation with the instructors in those languages.

Interdisciplinary Majors. Interdisciplinary majors are established through the College Committee on Interdisciplinary and Special Study with the endorsement and cooperation of the Department or with the approval of individual members of the Department.

Foreign Study. A program of study approved by the Department for a junior year in France has the support of the Department as a significant means of enlarging the major's comprehension of French civilization and as the most effective method of developing mastery of the language. Four Amherst French courses will be the minimum required for a major who has spent a junior year abroad.

Distribution Sequences. French 5 (5s), 11, 12, and 15 (15s) are recommended as basic courses for a two-course distribution sequence, either in combination with one another or with any other course offered by the Department. Other two or three-course sequences may be arranged in consultation with the Department.

1. Elementary Course. Grammar, pronunciation, oral practice. Three hours a week for explanation and demonstration, three hours a week in small sections and laboratory for oral practice.

Elective for Freshmen. First semester. Professor Carre, Mrs. Watkins, and assistants.

3. Intermediate Course. Review of grammar and pronunciation; oral practice. Reading and analysis of literary texts. Three hours a week for explanation and demonstration, three hours a week in small sections and laboratory for drill in aural comprehension of the language.

Elective for Freshmen. First semester. Mrs. Watkins and assistants.

3s. Intermediate Course. Same description as above.

Elective for Freshmen. Second semester. Mrs. Watkins and assistants.

5. Language and Literature. The purpose of the course is to bridge language competence and the critical appreciation of French literature in its original form. Training in fluent reading and in aural comprehension, practice in the fundamentals of oral and written expression. Reading of significant fiction, plays, and poetry from the modern period. Three hours a week in class and three hours a week in small sections and laboratory for oral and aural drill. Conducted in French.

Elective for Freshmen. First semester. Professors Giordanetti, Kaplan, and assistants.

5s. Language and Literature. Same description as above.

Elective for Freshmen. Second semester. Professor Carre and assistants.

8. Composition and Conversation. A review of French grammar with practice in set translation and free composition; oral reports and discussion on selected topics. Three hours a week of composition and two of oral practice.

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Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. Second semester. Professor Giordanetti and assistants.

10. Phonetics and Prosody. Theory and practice of French phonetics. Training in the reading of French literary texts and in the use of current spoken French with emphasis on the distinctions between the two modes of discourse. A study of the elements of French prosody. Conducted in French. Recommended for majors and advanced students in French. One and one-half hour seminar meeting a week with additional laboratory assignments and analysis of individual pronunciation in private tutorials.

Requisite: Limited to twelve students with consent of instructor. Second semester. Mrs. Watkins and assistants.

11. Introduction to French Literature through the Seventeenth Century. Reading and discussion of selected texts from *La Chanson de Roland* through the Age of Classicism. Conducted in French. Three hours of classroom work a week.

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. First semester. Professor Giordanetti.

12. Introduction to French Literature since the Seventeenth Century. Reading and discussion of selected texts. Concentration will be on the eighteenth and nineteenth centuries with, as time permits, some introductory materials from the twentieth century. Conducted in French. Three hours of classroom work a week.

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. Second semester. Professor Giordanetti.

13. Major French Novelists. Choice of novelists and works may vary each year. In 1971–72, selected works of Chateaubriand, Balzac, Stendhal, Flaubert, and Zola will be read. Particular attention will be given to the authors' critiques of society and their portrayal of the quest for personal identity. Conducted in French. Three hours of classroom work a week.

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. First semester. Professor Kaplan.

15. Aspects of Modern Literature. An introduction to modern French literature with emphasis on the ways in which reality is perceived by representative novelists and poets of the twentieth century: Giono, André Breton, Malraux, and Sartre; Paul Eluard, René Char, Aimé Césaire, and Léopold Senghor. Three hours of classroom work a week. Conducted in French.

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. First semester. Professor Carre.

15s. Aspects of Modern Literature. Same description as above. Elective for Freshmen. Second semester. Omitted 1971–72.

25s. French Literature of the Renaissance. Readings in Rabelais, Montaigne and the poets of the sixteenth century. Conducted in French. Three hours of classroom work a week.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. Second semester. Professor Kaplan.

27. French Classic Tragedy—Corneille and Racine. A detailed study of the history and theory of French classic drama, with an analysis of the principal tragedies of Corneille and Racine. The philosophies of Descartes and Pascal are studied as background for the tragic authors. Three hours of classroom work a week.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Omitted 1971–72.

28. French Classic Comedy—Molière. A detailed study of the principal comedies of Molière, and of the comic spirit as exemplified in La Fontaine and Boileau. Three hours of classroom work a week.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. Second semester. Omitted 1971–72.

31. The Age of the Enlightenment. A study of the literature of the eighteenth century from the Regency to the Revolution, its relations to the intellectual, esthetic, and social changes of the Enlightenment, the development of new literary forms. Particular emphasis will be given to Voltaire, Rousseau, and Diderot. One three-hour meeting a week; discussion, oral reports, one term-paper on individual related topics.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Professor Giordanetti.

33. The Romantic Imagination. A study of the origins and development of the European phenomenon of Romanticism of the early nineteenth century. The movement will be considered in several of its manifestations, in music, painting and architecture in addition to literature. One three-hour seminar a week; one term paper on individual related topics. Conducted in French.

Enrollment limited to fifteen students. Please consult instructor before enrolling. First semester. Omitted 1971–72. Professor Giordanetti.

35s. Tradition and Anti-Tradition in the Twentieth Century French Theater. An analysis of plays and dramatic theories: Claudel and Giraudoux as representatives of the tradition; Jarry, Artaud, Ionesco, and Beckett as makers of a new theater. Three hours of classroom work a week. Conducted in French.

Requisite: Satisfaction of the language requirement in French. Elective for Sophomores or Freshmen with the consent of the instructor. Second semester. Professor Carre.

36. Major French Prose Writers. Choice of writers will vary from year to year and will not duplicate French 13. Metaphysics, morality and art as seen by various thinkers through the history of French letters, from Pascal and LaRochefoucauld to Bergson, Camus and Fanon; relevant prose selections from such poets as Baudelaire and Valéry, and thoughts on art from Proust and Malraux. Conducted in French. Three hours of classroom work a week.

Requisite: Satisfaction of the language requirement in French. Elective for Sophomores or Freshmen with the consent of the instructor. Second semester. Omitted 1971–72.

37. Camus and Sartre. Existentialism and *engagement*. Readings and discussion of the major works, literary and theoretical, of the two authors, concluding with an examination of the controversy that opposed Camus to Sartre and the *Temps Modernes* group on the nature of the artist's commitment to society. Three hours of classroom work a week. Conducted in French.

Requisite: Satisfaction of the language requirement in French. Elective for Sophomores or Freshmen with the consent of the instructor. Omitted 1971–72. To be offered 1972–73. First semester. Professor Carre.

H38. Mauriac. Readings in the works of François Mauriac. One hour of classroom work a week. Conducted in French. A half course.

Requisite: Satisfaction of the language requirement in French. Elective for Sophomores or Freshmen with the consent of the instructor. Second semester. Omitted 1971–72.

40. Modern French Poetry. Study of the development of poetic styles and visions from Romanticism to Symbolism, based on an examination of important works by Hugo, Baudelaire, Rimbaud, Lautréamont, Mallarmé, and Valéry. Three meetings a week. Conducted in French.

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. Second semester. Professor Kaplan.

41. Apollinaire and Modern Movements in Art and Literature. A study of Guillaume Apollinaire as poet, theoretician, spokesman and moving force of the new art in France during the first two decades of the twentieth century. An inquiry into the relationships of art and literature with particular attention to Cubism and Futurism. Three hours of classroom work a week. Conducted in French.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Professor Carre.

42. Proust and the Interpretive Sensibility. A study of *A La Recherche du Temps Perdu* in the original and in translation, as an interpretation of man's relationship to society on the one hand and man's relationship to nature on the other. A central question through the course will be: What, according to Proust, makes reality meaningful? Two meetings a week. Conducted in English. Students with a reading knowledge of French should read the first volume in French; only advanced students in French should forego all translation.

Elective for Sophomores (and Freshmen with permission of the instructor). Omitted 1971–72. To be offered 1972–73. Professor Ryerson.

46. New Critical Approaches to Literature. Experiments in the practice of criticism by applying the methods of a spectrum of critical viewpoints to Racine, Baudelaire, and Malraux. The case method will be used to examine the work of such representatives of *la nouvelle critique* as Sartre, Bachelard, Lucien Goldmann, Georges Poulet, Roland Barthes, Jean-Pierre Richard, Charles Mauron, and Emilie Noulet. The range to be explored extends from Marxist determinism to a persuasion that the work of art is independent of societal formation. The course will conclude with a critique of critical approaches by the student and a statement and explanation of his own critical attitude. Oral reports and a term paper. Conducted in French. One three-hour seminar a week.

Requisite: An introductory course in French literature. Elective for Sophomores with the consent of the instructor. Second semester. Omitted 1971–72. Professor Carre.

Seminar in Dramatic Literature 1971–72: Molière. See Dramatic Arts 51. (1971–72).

First semester. Professor Bierman.

77. Conference Course for Seniors.
First semester. The Department.

D78. Conference Course for Seniors. A double course.
Second semester. The Department.

97, H97. Special Topics. Independent Reading Course. Full or half course. Approval of the department chairman is required. First semester.

98, H98. Special Topics. Independent Reading Course. Full or half course. Approval of the department chairman is required. Second semester.

Italian

Major Program. A combined major may be arranged by consultation. Note also under French and Spanish the description of combined majors with Italian.

Distribution Sequences. Sequence of two: Italian 12, 23 or Italian 12, 24. Sequence of three: Italian 12, 23, 24.

1. Italian Language. An intensive course in language: recognition and imitation of basic sentence patterns, vocabulary and verb forms. Oral-aural drill on readings. Per week: three class hours as scheduled; two hours of section with instructor, to be arranged; work in laboratory as regular part of preparation.

Elective for Freshmen. First semester. Professor Miller.

12. Readings in Modern Italian Literature. Theatre, such as Pirandello, *Enrico IV* or *Sei personaggi in cerca d'autore;* short story, such as Moravia, *Agostino;* novel, such as Pavese, *La luna e i falò;* poetry, such as that of Quasimodo and Ungaretti. Three hours per week.

Requisite: Italian 1. Elective for Freshmen. Second semester. Professor Miller.

23. Dante. A reading of the *Inferno* and parts of the *Purgatorio* and *Paradiso.* Special study of the social and political background of the work. Reports and papers. Three hours of classroom per week.

Requisite: Italian 12. Elective for Sophomores. First semester. Omitted 1971–72. Professor French.

24. Literature of the Italian Renaissance. Origins in Boccaccio's *Decamerone* and Petrarch's *Canzoniere.* Reading of Cellini's *Vita,* Castiglione's *Cortegiano,* Machiavelli's *Principe,* etc., with study of the social background of the fifteenth and sixteenth centuries. Reports and papers. Three hours of classroom per week.

Requisite: Italian 12. Elective for Sophomores. Second semester. Omitted 1971–72. Professor French.

97, H97; 98, H98. Special Topics. Full or half courses.
First and second semesters. Omitted 1971–72.

Spanish

Major Program. The student majoring in Spanish must elect Spanish 21 and 22(22f) and the equivalent of six other semester courses (exclusive of Spanish 1 and 5) offered or approved by the Department. He must demonstrate a proficiency in spoken and written Spanish; at the discretion of the department, he may be required to take Spanish 14 or an equivalent course. He must also pass a comprehensive examination given by the Department in January of his senior year. A maximum of two half courses may be credited toward the major.

Honors Program. Same as above, except that the candidate for honors must elect in addition Spanish 77 and Spanish D78.

Combined Majors. Both *rite* and honors majors may be taken in combination with other fields, e.g. Spanish and Italian or French, Spanish and Religion, Spanish and Fine Arts. Plans for such combined majors must be approved in advance by representatives of the departments concerned.

Study Abroad. Students majoring in Spanish are encouraged to spend a summer, a semester, or a year studying in Spain or Spanish America. Plans for study abroad must be approved in advance by the Department.

Distribution Sequences. The distribution requirement may be satisfied in Spanish by electing Spanish 11 and any one or two other courses in the Department (exclusive of Spanish 1 and 5), or by proposing some other sequence and securing approval of it from the Department. With the approval of the Department, a course from another department may be included in a three-course sequence where it is relevant to a special program of study.

1. Elementary Spanish. For students who have had no previous study of Spanish or whose CEEB scores in Spanish are under 400. Seven hours a week in class, section, and laboratory.
    First semester. Professor Johnson.

5. Intermediate Spanish. For students who have completed Spanish 1 or whose CEEB scores range from approximately 400 to 500. Six hours a week in class, section, and laboratory.
    First semester. Professor Johnson.

5s. Intermediate Spanish. Same description as Spanish 5.
    Second semester. Mr. Maraniss.

11. Introduction to Hispanic Literature. Readings in modern Spanish and Spanish American literature.
    Requisite: Spanish 5, or scores above 500 on the CEEB tests, or permission of the instructor. First semester. Professor Kent.

11s. Introduction to Hispanic Literature. Same description as Spanish 11.
    Second semester. Mr. Maraniss.

14 or H14. Spanish Prose Composition and Style. This course is designed to strengthen and refine the student's mastery of the Spanish language. Practice in free composition and in translation of examples of a variety of styles. One or two meetings, depending upon student interest and need. A full or a half course.
    Requisite: Spanish 11 or permission of the instructor. Second semester. Mr. Maraniss.

21. The Dynamics of Spanish Culture. An interdisciplinary study of Spanish consciousness. Topics for reading and discussion will include: grotesque literature, the hero and antihero, ideological commitment and commentaries on Velasquez, El Greco and Goya. Conducted in Spanish.

Requisite: Spanish 11, or permission of the instructor. First semester. Professor Kent.

22f. Spanish America. An exploration of the literature, art, music, myth and history of the Indian civilizations of Latin America with emphasis on the Aztecs, Mayas and Incas. Their continuing significance in contemporary Spanish America will also be studied. Conducted in Spanish.

Requisite: Satisfaction of the language requirement and permission of the instructor. First semester. Professor Johnson.

27. Minority Expression and Racial Identity in Latin American Literature. An examination of a variety of topics, according to student interest, such as the development of an Afro-Antillean poetry, the literary expression of the black experience in Argentina, the achievement of a Puerto Rican consciousness, and the plight of the Indian in Mexico, Guatemala, and Bolivia. Students with a reading knowledge of Portuguese may give special attention to similar problems expressed in Brazilian and Afro-Portuguese literature. The work of the instructor will be supplemented by a number of guest lecturers.

Requisite: Reading knowledge of Spanish. Omitted 1971–72. Professor Kent.

41. Problems of Spanish American Literature. In 1971–72, each student will be expected to prepare a scholarly paper on some twentieth century author or theme. One seminar meeting per week for group discussion of common reading. Conducted in Spanish.

Requisite: Permission of the instructor. First semester. Omitted 1971–72. Professor Johnson.

42. The Spanish Ballad in Oral Literature. A close study of the *romancero* in conjunction with other traditional forms of Spanish expression. Special attention will be given to comparison with the English ballad. Conducted in Spanish.

Requisite: Spanish 21, or permission of the instructor. Second semester. Omitted 1971–72. Professor Kent.

43s. Cervantes. *Don Quijote de la Mancha*, some exemplary novels, and selections from the other major prose works of Cervantes will be read in Spanish. Conducted in Spanish.

Requisite: Spanish 21, or permission of the instructor. Second semester. Omitted 1971–72. Professor Johnson.

46. The Picaresque Novel. A comparative study of the picaroon in European and American literature with special attention given to the Spanish tradition. Readings to include the *Lazarillo*, the *Guzmán*, the *Buscón* and novels by Grass, Mann, Ellison, Twain, and Fielding. Conducted in English with readings in the original according to student ability.

Elective for Sophomores. Second semester. Professor Kent.

47s. The Myth and Literature of Imperial Spain. The response of literature to the historical and social conditions of Hapsburg Spain. Selected works of Fray Luis, Quevedo, Lope, Góngora and others will be discussed as individual solutions to the dilemmas of the "Golden Age." Conducted in Spanish.

Requisite: Spanish 21 or 22(22f) or permission of the instructor. Second semester. Professor Kent.

77. Conference Course for Seniors. Preparation of an honors thesis. The Department.

D78. Conference Course for Seniors. A double course. Preparation of an honors thesis. The Department.

97, H97, 98, H98. Special Topics. The department calls attention to the fact that Special Topics courses may be offered to students on either an individual or group basis. Students interested in forming a group course on some aspect of Spanish life and culture are invited to talk over possibilities with a representative of the department. When possible, this should be done several weeks in advance of the semester in which the course is to be taken.

RUSSIAN

Assistant Professors Fischer and Peterson; Mr. Davidson.

Major Program. The major must include the following courses: Russian 11, 12, 21, 22 plus four upper-level Russian courses offered in the Department or at one of the neighboring colleges. (Russian 1 through 4 will not count toward the major.)

It is recommended that the major take History 41–42 (Survey of Russian History) and at least two or three courses in one other literature (preferably English, French, or German). In addition to demonstrating a proficiency in spoken and written Russian, the major will be required to pass a comprehensive examination during the second semester of his senior year. A reading list will be provided by the Department to guide him in preparing for the examination.

Honors Program. In addition to the requirements for the major program, the honors candidate must take Russian 77–78 during his senior year and must prepare a thesis on a topic approved by the Department.

Interdepartmental Program: A student may be sufficiently interested in Russian to devote considerable time and effort to the study of the subject while not necessarily feeling inclined to major in it. If this is the case, he should be aware of the possibility of declaring an interdepartmental major under which he could combine the study of Russian with that of another discipline, as e.g. History, Political Science, Economics, another language and/or literature, etc. Before deciding on an interdepartmental major, the student should, of course, consult the College Bulletin (the pertinent section under Degree Requirements) in addition to discussing his academic plans with the Departments involved.

Study Abroad: Since the student of Russian should, if at all possible, acquire some firsthand knowledge of contemporary Russian life and culture, he is strongly urged to spend a summer in the Soviet Union as a participant in one of the study-travel programs currently being offered by a number of American universities and colleges.

Distribution Sequences. Two-course requirement: Russian 21–22 or Russian 11–12 (for the student who has taken Russian 3–4 or its equivalent).

Three-course requirement: Russian 21–22 plus another course in Russian literature in which the reading may be done in English.

1. First-Year Russian. Grammar, pronunciation, oral practice. Five hours per week in class. In addition students may be required to use the language laboratory.

Elective for Freshmen. First semester. Mr. Davidson.

2. First-Year Russian. Continuation of Russian 1.

Requisite: Russian 1 or equivalent. Elective for Freshmen. Second semester. Mr. Davidson.

3. Second-Year Russian. Intensive review and further study of grammar. Emphasis on development of aural comprehension and oral fluency. Reading and analysis of selected texts. Five class hours per week. In addition, students may be required to use the language laboratory.

Requisite: Russian 2, or equivalent. Elective for Freshmen. First semester. Professor Fischer.

4. Second-Year Russian. Continuation of Russian 3.

Requisite: Russian 3, or equivalent. Elective for Freshmen. Second semester. Professor Fischer.

11, H11. Introduction to Russian Literature. Reading and discussion of selected works of Russian prose and poetry, both classical and modern.

Included among the readings will be literary criticism, as well as historical, philosophical, and publicistic writings. Conducted mostly in Russian. (Systematic vocabulary building; selective grammar review; oral and written reports.) Three fifty-minute or two eighty-minute sessions per week; one additional laboratory hour may be required. Full or half course.

Requisite: Russian 4 or equivalent. First semester. Mr. Davidson.

12, H12. Introduction to Russian Literature. Continuation of Russian 11.
Requisite: Russian 11. Second semester. Professor Fischer.

21. Survey of Russian Literature, Part I. A survey of the development of Russian literature from its beginnings to about 1860. After a brief consideration of medieval literature (including the *Igor Tale*) and its Byzantine and mythological origins, special emphasis will be placed on the major prose and poetry from eighteenth-century classicism through the rise of the realistic novel. Critical discussions of representative works by Karamzin, Pushkin, Lermontov, Gogol, Turgenev, Goncharov, and the young Dostoevsky. Readings in translation or the original, depending on language proficiency. Two class sessions per week.

Elective for Sophomores. First semester. Mr. Davidson.

22. Survey of Russian Literature, Part II. Major writers and trends in Russian literature from about 1860 on into the twentieth century. Readings will include selected works of Tolstoy, Dostoevsky, Chekhov, Gorky, the Russian Symbolists and 'Decadents', as well as Vladimir Nabokov. Readings in translation or the original, depending on language proficiency. Two class sessions per week.

Elective for Sophomores. Second semester. Professor Fischer.

23. Russian Literature of the Soviet Period. In dealing with the total impact of the Revolution and the Communist State on Russian literature, the course will examine Marxist-Leninist thought on the function of literature, the evolution of the official Soviet policy on the arts ("Socialist Realism"), and the frequently tragic conflict between the dynamics of ideology and of art. Special emphasis will be placed on the post-Stalinist literary revival, recent examples of dissent among Soviet writers (Solzhenitsyn *et al.*), and the emergence of an underground literature ("Samizdat"). Readings in translation or the original, depending on language proficiency. Two class sessions per week.

Elective for Sophomores. First semester. Professor Fischer.

27. Fyodor Dostoevsky. Extensive readings in the varieties of psychological narrative explored by Dostoevsky, from the early fictionalized notebooks and confessional monologues to the mature "polyphonic" novels. Special emphasis will be placed on the probing studies of extremist mentalities, both

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criminal and saintly, and on Dostoevsky's struggle to create a viable myth of salvation. Among the works to be read will be *The Idiot*, *The Devils*, and *The Brothers Karamazov*. Readings in translation or the original, depending on language proficiency. Two class sessions per week.

Elective for Sophomores (and Freshmen with the consent of the instructor.) First semester. Professor Peterson.

28. Leo Tolstoy. Study of selected major works both fictional and doctrinal, as well as of a few relatively lesser known writings in the context of Tolstoy's thought and literary heritage. Investigation of the Enlightenment antecedents, the problems of historical consciousness, non-violent resistance to evil, as well as structural and stylistic analyses of specific works. Readings in translation or the original, depending on language proficiency. Two class sessions per week.

Elective for Sophomores. Second semester. Mr. Davidson.

77. Senior Honors Course. Meetings to be arranged.

Open to, and required of, seniors writing a thesis. First semester. The Department.

78. Senior Honors Course. Meetings to be arranged.

Open to, and required of, seniors writing a thesis. Second semester. The Department.

97, H97. Special Topics. Independent Reading Course.

First semester. The Department.

98, H98. Special Topics. Independent Reading Course.

Second semester. The Department.

Slavic Studies.

Sociology.

Spanish.

Interdisciplinary and Special Programs

AFRO-AMERICAN AND BLACK STUDIES

Amherst College courses are listed under Black Studies. A list of appropriate Five-College courses may be obtained in the Office of the Registrar.

ASIAN STUDIES

The following regular Amherst College courses are included in Asian Studies: Anthropology 21; Economics 36 and 38; History 45, 46, 48 and 49; Political Science 26; Religion 12; and Colloquia 46 and 48.

A number of courses are offered at neighboring institutions. The number of these has, in recent years, become too large to list here in full. Therefore, interested students are referred to a separate printed list of the many Asian courses available in the five-college area during the academic year 1971–72. This list is available from faculty members in the social sciences or in the offices of the Registrar and the Dean of the Faculty.

A general statement on Five-College courses will be found on page 59. of this Bulletin. A complete list of course descriptions and enrollment information may be obtained from the Registrar.

COLLOQUIA

16. Colloquium in Environmental Chemistry and Physics. An investigation of the interrelationships among pure science, applied science and technology and the quality of everyday life. A study of energy resources, methods of transformation of energy from one form to another, and in particular a study of methods of generating electrical energy. Technical and economic feasibility of various methods, and the effects of energy production on the environment and on public health. The course is intended for both non-science and science majors. First and second laws of thermodynamics, basic nuclear chemistry and physics, nuclear fission and fusion, the measurement of radioactivity and its biological effects. Independent investigation by individual students of other related environmental problems. Emphasis will

be placed on gaining a quantitative understanding of environmental problems, on identifying existing gaps in knowledge, and on providing a foundation for continuing informed discussion. Two one and one-half hour meetings per week. Occasional laboratory work.

Enrollment limited; permission of the instructors required. Second semester. Professors Fink, Romer, and Yost.

28. Colloquium in Fine Arts, History, and Political Science: The City. The disciplines of history, art history, and political science will be used to investigate the institutional, social, and physical structure of urban complexes; the periods included will stretch from late antiquity into the Renaissance. Subjects will include the city as a cultural artifact, as an unrealizable ideal, as a paradigm of order, as a regrettable expedient, as a bastion against chaos, and as a pleasant subject of earthly concern. Attention will be given to the place of the city in the preoccupations of historians, art historians, and political scientists, and to the contribution one discipline may make to the others. The course could profitably be taken concurrently with Classics 24, or History 24 or 28, or Fine Arts 40, or Political Science 32. A reading knowledge of Latin, French, and/or Italian would be welcome but is not required.

Prerequisites: Fine Arts 11, or History 11, or Political Science 11, or European Studies major. Also rceommended are one (or more) of the following: Classics 23, 24; Fine Arts 30, 33, 40; History 21, 23, 24, 26, 28; Political Science 28, 32. To be offered only once. Second semester. Professors Arkes, Cheyette, and Westfall.

30. Germany Between the Two World Wars. An interdisciplinary exploration of political, social, and cultural movements during the Weimar Republic and the first half of the Third Reich. Readings in literary sources from the period in English translation, as well as more recent interpretive studies; also consideration of trends in the non-literary arts. History 29, History 33, or prior study of modern German literature is advisable. One seminar meeting per week. Individual reports on topics of special interest.

Requisite: Written consent of the instructors. Limited to twenty students. Second semester. Professors Lees and White.

36. Ancient and Modern Literature. The readings are chosen to illustrate some of the resources of the literary imagination and something of the variety of human concerns which writers have entrusted to books.

The class will meet with both instructors for discussion once a week for two hours. Perhaps once a month, and at the beginning of the course more frequently, a student will be expected to submit a journal or commonplace book in which he has recorded a critical appraisal of his reading together with other observations.

Limited to fifteen students. Elective for Juniors with the consent of the instructors. Second semester. Professors Epstein and J. Moore.

46. Japanese Civilization and Culture. An experimental interdisciplinary course on Japan; it will attempt to view as a whole a significant example of the human experience in Asia, and to explore esthetic, religious, social and political dimensions of a major Asian civilization.

The exploration will proceed through several broad themes, including some selected by students. E.g., Japanese concepts of man and his relation to nature and society and the influence of Buddhism and Chinese culture upon these concepts; the mytho-religious character of political authority in early and modern contexts; the impact of modern technology and political and social ideas from the west upon a society isolated from the world for more than two centuries; the Japanese attempt to articulate and maintain traditional values in the process of rapid modernization in the twentieth century.

The course will have lectures, films and demonstrations, followed by periods of independent reading and writing, and colloquia organized around student papers.

Second semester. Professors Lee and R. Moore, and Five-College faculty.

48. Colloquium in South Asian Literature. A survey of South Asian literary traditions from the period of the classical Sanskrit drama to the present. Included will be readings in the medieval tales, literature in the Bhakti and Sufi traditions, modern literature in English, and in translation from the modern vernaculars. One two-hour seminar per week.

Requisite: Anthropology 21 or its equivalent. Elective for Juniors with the consent of the instructors. Limited to fifteen students. Second semester. Professors Babb and Peppard.

COMMON STUDIES

In April, 1970, the Faculty voted to establish a two-year program of common studies designed to: (1) provide students with a broad base in diverse branches of modern liberal learning; (2) encourage students to discover, in a context richer than that usually available to them in secondary school, intellectual interests that may be of importance to them besides those already formed; and (3) offer students a common educational experience, one that will tend to promote the kind of conversation and joint intellectual exploration that a shared realm of discourse makes possible.

The Common Studies Program will be limited to thirty students from each freshman class. Should more than thirty freshmen apply for admission to the program, the staff, which is drawn from the departments represented in the program and which serves as academic advisers to students enrolled, will select thirty from among those applicants.

The requirements for the Common Studies Program are as follows:

1. All students in the Program must take the following courses in the semesters indicated:

FRESHMAN YEAR

First Semester: English 11, Philosophy 11, and Problems of Inquiry 3;
Second Semester: Political Science 11s, Economics 11s, and Problems of Inquiry 1s.

SOPHOMORE YEAR

First Semester: Psychology 11, Sociology 11, and Problems of Inquiry 2f;
Second Semester: History 11s, and Fine Arts 11s or Music 11s.

The staff of the Program may, for a given year, substitute for, or offer as an alternative to, Philosophy 11, Religion 11; for History 11s, American Studies 12; for Sociology 11, Anthropology 11; for Fine Arts 11s, Music 11s or Dramatic Arts 11s.

2. In addition to the regular Degree Requirements, students in the Common Studies Program must satisfy, by the beginning of the junior year, the following requirements in foreign languages and mathematics:

Foreign Languages: The student must demonstrate his ability to use a foreign language (one other than his native language) in an intellectually substantive way. This requirement may be satisfied by: (1) satisfactorily completing a course in foreign literature, excluding those taught from translations; (2) certification by a member of the Faculty that the student has read, in connection with a course other than a foreign literature course, a significant amount of material in a foreign language; or (3) demonstrating to a member of the Faculty, chosen by the director of the Program, that he has read or written intellectually substantive material in a foreign language.

Mathematics: The student must demonstrate that he possesses at least an elementary knowledge of college-level mathematics. This requirement may be satisfied by: (1) successfully completing any course offered by the Department of Mathematics; or (2) by demonstrating to a member of the Department of Mathematics, chosen by the director of the Program, that he possesses at least an elementary knowledge of the calculus.

3. To guarantee that students in the Common Studies Program will have some experience in the natural sciences at the college level, these students will *not* be permitted to satisfy the regular distribution requirement in science by taking courses in mathematics.

4. During the freshman and sophomore years, students in the Common Studies Program will participate in a non-credit Colloquium with those members of the Faculty who constitute the staff of the Program. The Col-

loquium will meet three or four times a semester to discuss topics and problems of interest to participants. Students enrolled in the Program will have a voice in defining these topics and problems.

No student who elects and is accepted into the Common Studies Program is required to remain in it for the full two years, or even one year. He may withdraw without penalty at any time. It is an elective but prescribed program of studies open to those who may find in its structured format an attractive and challenging way—obviously just one among many possible ways—to further their educational aims.

EDUCATION

Professors Hawkins and W. Heath;‡ Associate Professors Grose and Olver.

The following courses offered by the several departments are listed for the convenience of students who are interested in education and teaching. Students seeking to be certified for public school teaching positions should consult the separate materials in the Registrar's Office concerning courses available at the Five Colleges and State certification requirements.

Developmental Psychology. See Psychology 27s.
Requisite: Psychology 11. Elective for Sophomores. Second semester. Professor Olver.

Educational Psychology. See Psychology 34.
Requisite: Psychology 11. Elective for Sophomores. Seminar course limited to fifteen students with the consent of the instructor. Second semester. Professor Grose.

Seminar in American Educational History. See History 66.
Limited to fifteen students. Second semester. Professor Hawkins.

English and Education. See English 75.
Seminar limited to fifteen students. Elective for Juniors. First semester. Professor Heath.

European Studies. See page 110.

HISTORY OF SCIENCE

History of Science is offered at Smith College and the University of Massachusetts. A list of specific courses will be found at the Office of the Registrar.

‡On leave second semester 1971–72.

LATIN AMERICAN STUDIES

A list of courses has been compiled as an aid to students in the Five-College area seeking programs on Latin America or with Latin American content, containing both general courses which embody topics dealing with Latin America as well as courses devoted substantially or exclusively to the area. The Spanish language is taught at Amherst and Mount Holyoke Colleges, and both Spanish and Portuguese are taught at Smith College and the University of Massachusetts. Mt. Holyoke offers an interdepartmental major in Latin American Studies, while Smith offers two programs in Hispanic-American Studies, one in literature and the second in fields other than literature. A Certificate Program in Latin American Studies will be available, subject to approval, at the University of Massachusetts.

The list of courses in Latin American Studies, complete descriptions of individual courses, and enrollment information may be obtained from the Registrar.

LEGAL STUDIES

Professors Latham and Ziegler.*

American Constitutional Development. See Political Science 41.
   First semester. Professor Latham.

Administrative Law. See Political Science 42f.
   Limited to twenty-five students. First semester. Omitted 1971–72. Professor Ziegler.

International Law. See Political Science 46.
   Second semester. Omitted 1971–72. Professor Ziegler.

SLAVIC STUDIES

A student at Amherst College may develop a program in Slavic Studies from courses offered here and at Mount Holyoke and Smith Colleges and the University of Massachusetts. Courses in the fields of anthropology, economics, government and political science, history, Polish, Russian, and sociology which may be included in a Slavic Studies program are listed in a booklet, published by the Office of the Five-College Coordinator, which is available from the Registrar.

*On leave 1971-72.

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LECTURESHIPS

HONORS

FELLOWSHIPS

PRIZES AND AWARDS

DEGREES CONFERRED

The Merrill Center

Lectureships

The Henry Ward Beecher Lectureship. This lectureship fund of $10,000 was founded by the late Frank L. Babbott, LL.D., of the Class of 1878, in honor of Henry Ward Beecher, of the Class of 1834. The incumbent is appointed biennially by the Faculty for supplementary lectures in the departments of history and the political, social, and economic sciences.

The Clyde Fitch Fund. A fund of $20,000 was established by Captain and Mrs. W. G. Fitch of New York in memory of their son, Clyde Fitch, of the Class of 1886. The income of this fund is to be used for the furtherance of the study of English literature and dramatic art and literature. The whole or part of this income is usually devoted to the remuneration of an eminent lecturer, who may also take a part in the regular instruction of the College.

The Victor S. Johnson Lectureship Fund. This fund, amounting to $35,053, was established in memory of Victor S. Johnson by his sons for the purpose of "bringing to the campus each year a stimulating individual worthy of the lecturer's purpose of serving the best tradition of the liberal arts and individual freedom."

The John Woodruff Simpson Lectureship. A fund now amounting to $213,900 was established in memory of John Woodruff Simpson, of the Class of 1871, by his wife and daughter. The income is to be used for fellowships and "to secure from time to time, from England, France or elsewhere, scholars for the purpose of delivering lectures or courses of instruction at Amherst College."

The George William and Kate Ellis Reynolds Lectureships. A fund of $150,000 established by the late George W. Reynolds of the Class of 1877 provides an annual income of approximately $13,500 which is divided into three equal parts to provide lectureships on Christ and Christianity, Science, and American Democracy.

The Willis D. Wood Fund. The income from this fund, established in memory of Willis D. Wood '94 and now amounting to $97,342, is used for the purpose of "bringing to the campus, for varying lengths of stay, persons in the field of religion to meet and talk with students and faculty about different aspects of the spiritual life."

THE PHI BETA KAPPA SOCIETY

Massachusetts Beta Chapter. The students elected to membership in this honor society are those of highest standing and are normally candidates for the degree with honors. A preliminary election of outstanding students occurs at the end of the first semester of Junior year; and further elections occur at the end of the first semester and at commencement time of Senior year. Membership is extended to about a tenth of the students in each class.

OFFICERS

President: Professor John William Ward
Vice-President: Professor William Elmer Kennick
Secretary-Treasurer: Professor Andrew Lees
Undergraduate President: Brian Ephraim Lebowitz '72
Undergraduate Vice-President: David Jeffrey Levenson '72
Undergraduate Secretary Treasurer: David Samuel Turesky '72

INITIATES

Class of 1972

Brian Ephraim Lebowitz
David Jeffrey Levenson
David Samuel Turesky

Class of 1971

Roger Cole Adams
James Charles Albisetti
Jonathan Louis Alper
Terry Leland Andrews
James Julius Brudney
Richard Whiteley Comfort, Jr.
Roger Holt Cummings*
Loring Mandell Danforth
Errol Valentine Daniel
Robert Raymond Elliott, III
Frederick John Fischer
George Henry Freeman
David Barnard Garlan

Charles Douglas Gilbert
Richard Stuart Goodman
Tom Scott Hudson
Daniel Pitt Leonard
Corey Eliot Lerner*
Glen Sheldon Lewy
Edward John Lincoln
Justin Frank Little
Michael Peter Madow*
Louis Alan Matis
Peter Bens McEvoy
Stanford Carl Pearson
John Frederick Pfeil
Edward Rooker Phillips
Andrew Martin Rosenthal
Charles Stephen Sims
Robert Steven Sparks
Carl R. Spivack
Gregory Barton Sutphin
Herbert Frederick Tucker, Jr.

* These students elected in their junior year

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Roger Wilmot Turton*　　　　　Daniel Collier Whitaker
Thomas Volet　　　　　　　　　Wilburn Williams, Jr.
Thomas Eliot Wartenberg　　　　Robert Yarchoan
* These students elected in their junior year

THE SOCIETY OF THE SIGMA XI

Sigma Xi, the National Honorary Scientific Research Society, was founded in 1886; the Amherst Chapter was installed March 23, 1950. As one of its purposes the Society gives recognition to those students, members of the faculty, research associates, and alumni who have demonstrated ability to carry on constructive scientific research or who show definite promise of research ability. Other functions are the maintenance of companionship among investigators in the various fields of science, the holding of meetings for the discussion of scientific subjects, and the fostering of an interest in scientific research in the College.

Undergraduates, masters candidates, and others who show definite promise of research ability are typically recommended to associate membership by the departments concerned. In the case of undergraduates, nomination is usually given only to those students whose promise of research ability would warrant recommendation for at least a degree *magna cum laude* (entirely aside from the question of grades).[†] At present the chapter has a total membership of some 100 faculty and students.

OFFICERS

President: Professor Allen Kropf
Vice-President: Professor Rose Richardson Olver
Secretary-Treasurer: Professor David Lee Armacost

INITIATES 1971

Morris Edward Bailey　　　　　Charles Watson Landmesser
James Lindall Dein　　　　　　Joel Mandelbaum
Robert Sayers Fawcett　　　　　Louis Alan Matis
Thomas Hoyt Fuller, Jr.　　　　Peter Bens McEvoy
David Barnard Garlan　　　　　David Matthew Nathan
Charles Douglas Gilbert　　　　Andrew Martin Rosenthal
James Guy Hellerman　　　　　Frank Shaw Spear
Tom Scott Hudson　　　　　　Edward Forest Stoddard, III
John Robert Jaenike, Jr.　　　　Robert Yarchoan
Kirston Edward Koths

† Full membership is reserved for individuals who have already published at least one scholarly paper.

THE BOND FIFTEEN

The Bond Fifteen is an honorary designation for the fifteen seniors who have attained the highest general standing in their class at the end of the first semester of the senior year. The title is derived from a prize, given by Ephriam W. Bond of the Class of 1841, which was formerly awarded to a speaker, chosen from this group on the basis of literary and oratorical merit, to deliver an oration during Commencement Weekend.

THE BOND FIFTEEN 1971

James Charles Albisetti
Roger Holt Cummings
Loring Mandell Danforth
Frederick John Fischer
Charles Douglas Gilbert
Tom Scott Hudson
Corey Eliot Lerner
Michael Peter Madow

Louis Alan Matis
John Frederick Pfeil
Edward Rooker Phillips
Herbert Frederick Tucker, Jr.
Roger Wilmot Turton
Thomas Volet
Thomas Eliot Wartenberg

Fellowships

THE College's funds for fellowships aggregate $900,867. From the income of these funds fellowships are awarded annually to graduates of Amherst College for study in graduate or professional schools. Applications should be made before February 15 on forms available from the Dean of the Faculty.

The names of those to whom fellowships have been awarded for the current year will be found on pages 24–27.

The Amherst-Doshisha Fellowship. Amherst-Doshisha Fellowship at Amherst House, Doshisha University, Kyoto, Japan. An opportunity to work in a bi-cultural setting with Professor Otis Cary, Director of Amherst House, is open to young alumni of the College for a term of one, or in some cases, two years. Travel expenses and a modest stipend are paid by the College. The recipient will be given the opportunity of assisting Otis Cary in the activities of Amherst House and also in teaching English to Japanese students. No knowledge of Japanese is required.

The fellowship offers a stipend of $1,800, a travel allowance of $1,400, and incidental expenses of $250. Preferably the fellowship year would be from September of one year to the following August. It carries with it formal teaching responsibilities in the English language at Doshisha University, at the freshman and sophomore level. The academic year at Doshisha has allowed all fellows to make an extended trip through South East Asia during February and March.

Applicants should apply to the President of the College, with a view to having a decision in mid-February.

The Amherst Memorial Fellowships for the Study of Social, Economic, and Political Institutions, and for Preparation for Teaching and the Ministry. A fund of $137,700 provides fellowships to perpetuate the memory of those Amherst men who gave their lives for an ideal. The following statement expresses the purposes of the donor of these fellowships: "Realizing the need for better understanding and more complete adjustment between men and existing social, economic, and political institutions, it is my desire to establish a fellowship for the study of the principles underlying these human relationships."

Appointments to these fellowships may be made from the graduating class or the alumni of Amherst College or of other colleges, the object being to permit men of character, scholarly promise, and intellectual curiosity to investigate some problem in the humanistic sciences. Candidates should be men of sound health. During previous training they should have

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given evidence of marked mental ability in some branch of the social sciences—history, economics, political science—and have given promise of original contribution to a particular field of study. It is desirable that they possess qualities of leadership, a spirit of service, and an intention to devote their efforts to the betterment of social conditions through teaching in its broad sense, journalism, politics, or field work.

While preference is given to candidates planning to do advanced work in the field of the social sciences, applications will be accepted and awards made to candidates who are planning to go to theological school as a preparation for a career in the ministry and to those from other fields than the social sciences who are preparing for a career in teaching in secondary schools or colleges.

Appointments may be made for terms of two years. Tenure may, however, be shorter or longer, depending upon the nature of the subjects investigated or upon other circumstances which, in the judgment of the committee, warrant a variation in the length of tenure.

The stipend will vary according to the circumstances of the appointment. Awards will depend upon those aspects of individual cases which, in the judgment of the committee, most suitably fulfill the purpose of the foundation.

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

The Evan Carroll Commager Fellowship. A gift of $22,350 from Professor Henry Steele Commager, in memory of his late wife and "as a testimony to her affection for this College," was made to enable an Amherst student to study at Cambridge University, England. The Fellowship carries a stipend of $1,000 for one year but may be renewable for a second year. The award is open to any student, but a senior will be favored and preference will be given to students applying to Peterhouse, St. John's College, Trinity College, and Downing College.

The Henry P. Field Fellowships. Two fellowships of $500 each are available from the income of the bequest of the late Henry P. Field of the Class of 1880, to promote graduate study in the fields of English and History. Appointments are made annually by the College on the recommendation of the departments of English and History.

The Edward Hitchcock Fellowship. The income from a fund of $20,000 founded by the late Mrs. Frank L. Babbott of Brooklyn, N.Y., is available for the promotion of graduate study in the department of physical education. Its object is to make the student familiar with the best methods of physical training, both in the gymnasium and on the field. The appointment is made by the Faculty.

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The Roswell Dwight Hitchcock Memorial Fellowship. A fund of $9,200, established through the agency of the Alpha Delta Phi Fraternity, provides an annual award under conditions determined by the Faculty, to a member of the senior class for excellence in history and the social and economic sciences. The holder of the Fellowship pursues for one year, at an institution approved by the Faculty, a course of study in history or economics, to be completed within the period of two years next following graduation. The amount of the Fellowship is paid in two installments, one on completion of one-half the year's work, the other at the end of the year.

The Rufus B. Kellogg University Fellowship. The income from a fund of $69,000 established by the late Rufus B. Kellogg of the Class of 1858 provides certain prizes, and a fellowship award for three years to an alumnus of Amherst College, who shall be appointed upon the following conditions:

1. He shall be elected by the Faculty from the members of the class graduated at the close of the academic year in which this election shall be made, or from the members of the classes graduated in the six years immediately preceding the academic year in which this election shall be made.

2. The Faculty shall select as the incumbent of the said Fellowship the man who, in their judgment, is best equipped for study and research, without regard to any other considerations whatsoever, except that he should have an especially good knowledge of at least one modern foreign language and should have had at least one year of Latin in preparatory school or college.

3. The three years shall be spent by the incumbent at a German University, or with the approval of the said Faculty at any other place or places, in the study of philosophy, philology, literature, history, political science, political economy, mathematics or natural science. At least one college term of the final year shall be spent by the incumbent at Amherst College, where he shall give a series of not more than thirty lectures on a subject selected by himself and approved by the Trustees. The lectures shall be given to the Senior class, but the members of all other classes shall have the privilege of attending. The incumbent shall have his lectures published, at the end of his official term, in good book form, or in a learned journal.

The Sterling P. Lamprecht Fellowship. From the income of $32,800, a fellowship is awarded to a recent graduate of Amherst College for assistance in the pursuit of philosophy. This fellowship may be awarded to the same man for a maximum of three years. It need not be awarded at all in one particular year, and it might be, if there were no suitable graduate, awarded to an undergraduate in which case it would be known as the Sterling P.

Lamprecht Scholarship. Preference, however, would be given for graduate study.

The Edward Poole Lay Fellowship. The income from a fund of $48,400, established by Frank M. Lay, of the Class of 1893, and Mrs. Lay, in memory of their son Edward Poole Lay, of the Class of 1922, provides for a fellowship to be awarded to a graduate of Amherst College who has shown unusual proficiency and talent in music, and who desires to continue his studies in this field. Preference is to be given to a candidate who is proficient in voice. In the event that there is no qualified candidate for the award in any one year in the musical arts (especially voice and instrumental music), then it may be awarded under the same conditions to a qualified candidate in the field of the dramatic arts.

This fellowship will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

The Mayo-Smith Teaching Fellowship. This fellowship provides that a member of the graduating class interested in a career in education be named "Assistant to the Director of Admissions."

The Forris Jewett Moore Fellowships. These fellowships, three in number, were established in memory of Forris Jewett Moore of the Class of 1889 by his widow, Emma B. Moore. In each case, the beneficiary is to be a member of the graduating class of the year preceding that in which he holds the Fellowship.

1. A fund of $34,000, the income of which is to be used to assist some graduate of Amherst College who has distinguished himself in the study of chemistry while an undergraduate, and who desires to engage in further study of that subject. Preference is to be given to eligible candidates whose plans lie in the field of organic chemistry.

2. A fund of $24,500, the income of which is to be awarded to a graduate of Amherst College who has distinguished himself in the study of history while an undergraduate, and who desires to engage in further study of that subject.

3. A fund of $28,400, the income of which is to be awarded to a graduate of Amherst who has distinguished himself in the study of philosophy while an undergraduate and who desires to engage in further study of that subject.

The George Stebbins Moses Memorial Fellowship. The income from a memorial fund provides a fellowship to be awarded to an Amherst graduate each year who has been accepted by a recognized divinity school, who has good reason to seek financial aid, who seems to be an all-around man qualified in all respects as a religious and moral leader and a lover of ordinary people, and who is qualified scholastically to meet the calling of a theological career creditably. The candidate need not be an outstanding

student, but improvement in the upperclass years, dedication, and a sense of purpose will be given great consideration.

The recipient will be selected by the Fellowship Committee acting with the Minister to the College and, ordinarily, will be awarded on an annual basis but, under appropriate circumstances, it may be renewed for a second or third year at the discretion of the Committee. If the income and needs of candidates permit, more than one fellowship may be awarded in any given year.

The George A. Plimpton Fellowships. These fellowships, established by the Board of Trustees of Amherst College in memory of George A. Plimpton of the Class of 1876, a member of the Board from 1890 to 1895 and from 1900 to 1936, and President of the Board from 1907 to 1936, are to be awarded without stipend to members of the senior class who are of outstanding scholastic ability and promise, who plan to continue their studies in graduate school, and who are not in need of financial assistance.

These fellowships will be awarded by the Board of Trustees upon recommendation of the Faculty Fellowship Committee.

The Charles B. Rugg Fellowship. The income from a fund of $26,400 established in memory of Charles Belcher Rugg, of the Class of 1911, provides a fellowship to be awarded to an Amherst graduate who shows promise for the study of law. The award is made annually to aid a young man beginning a legal career, but it may be renewed for a second or third year upon recommendation of the Fellowship Committee.

The John Woodruff Simpson Fellowships and Lectureships. A fund now amounting to $213,900 was established in memory of John Woodruff Simpson of the Class of 1871, by his wife and daughter. The uses of the income as defined by the donors follow:

"1. To award to any graduate of Amherst College a fellowship for use in studying law at any school approved by the Board of Trustees of the College;

"2. To award to any graduate of Amherst College a fellowship for use in studying medicine at any school approved by the Board of Trustees of the College;

"3. To award to any graduate of Amherst College a fellowship for use in studying theology at any school approved by the Board of Trustees of Amherst College, without regard to the particular creed or particular religious belief taught thereat;

"4. To award to any graduate of Amherst College a fellowship for use in studying at any school, college or university approved by the Board of Trustees of the College, in preparation for the teaching profession;

"5. To award to any graduate of Amherst College a fellowship for use in graduate study at the universities of Oxford or Cambridge in England;

"6. To award to any graduate of Amherst College a fellowship for use in graduate study at the Sorbonne in Paris;

"7. To secure from time to time from England, France or elsewhere, scholars for the purpose of delivering lectures or courses of instruction at Amherst College."

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

The Benjamin Goodall Symon, Jr. Memorial Fellowship. The income from a memorial fund provides a fellowship to be awarded to an Amherst graduate each year who has been accepted by a recognized divinity school, who has good reason to seek financial aid, who seems to be an all-around man qualified in all respects as a religious and moral leader, and who is qualified scholastically to meet the calling of a theological career creditably, although he may plan to use the divinity school training for work in another field. The candidate need not be an outstanding student, but improvement in the upperclass years, dedication, and a sense of purpose will be given great consideration.

The fellowship will be awarded on an annual basis but, under appropriate circumstances, it may be renewed for a second or third year at the discretion of the Committee. If the income and needs of candidates permit, more than one fellowship may be awarded in any given year.

The Roland Wood Fellowship. Awarded annually upon the recommendation of the Department of Dramatic Arts as a fellowship to one or more promising and deserving graduates of Amherst College for continued study in or of the theater.

Fellowships Awarded by the American Schools of Classical Studies at Athens and Rome. The attention of graduate students interested in the Classics and in Archaeology and Ancient Art is called to the opportunities offered by the American Schools of Classical Studies at Athens and Rome. As the College contributes regularly to the support of these schools, any Amherst graduate may enjoy the privileges of study at either school without charge for tuition and may compete for the annual fellowships which they offer. Further information may be obtained from any teacher of Classics at the College.

Prizes and Awards

THE following prizes and awards are offered annually for proficiency in the work of the several departments of collegiate study and, in some specific awards, for other achievements and qualifications. The amount and the recipient of awards for the previous year are stated in each case.

AMERICAN STUDIES

The George Rogers Taylor Prize—To the student enrolled in American Studies 12 who, in the opinion of the American Studies Department, shows most promise for creative and scholarly work in the field of American Studies. *$50 to Harry Fahrig Cole '71.*

ART

The Anna Baker Heap Prize. Established by Arnold N. Heap of the Class of 1873—To that senior who submits the best essay in the field of "Art." *$185 to Daniel Pitt Leonard '71.*

The Athanasios Demetrios Skouras Prize. Given by the Class of 1936 in memory of Athanasios Demetrios Skouras of the Class of 1936, who died in 1943 in Athens, Greece, as a result of Nazi reprisal killings—To a student who, in the opinion of the Fine Arts Department, has created an outstanding work of art or architecture; or to a student who, in the opinion of the Music Department, is pre-eminent in music composition or performance, *preference to be given in the fine arts. No award 1971.*

BIOLOGY AND GEOLOGY

The Harvey Blodgett Award. Established by Frederick H. Blodgett in memory of his grandfather, Harvey Blodgett of the Class of 1829—To aid student work in biology and geology in their educational phases as distinct from their more technical and scientific phases. (Combined with the Phi Delta Theta Award.) *$300 to Edward Forrest Stoddard, III '71.*

The James R. Elster Award. Established by Dr. and Mrs. Samuel K. Elster in memory of their son, James R. Elster of the Class of 1971—To provide research support in the summer months to an undergraduate studying in the Department of Biology who is designated by the Chairman in consultation with Department members. *$500 to Job Hopfan '73.*

The Phi Delta Theta (Sigma) Award. Established by Phi Delta Theta Fraternity—To a student of biology for summer work at the Woods Hole Marine Laboratory. (Combined with the Harvey Blodgett Award.) *$300 to Edward Forrest Stoddard, III '71.*

The Oscar E. Schotté Prize—To that member of the graduating class who, in the opinion of the Department, has done the best independent work in biology. *$60 to Andrew Martin Rosenthal '71.*

The Oscar E. Schotté Summer Research Award—To a junior or senior majoring in science to enable him to complete a special project during the summer months. *$260 to David Matthew Nathan '71.*

CHEMISTRY AND MEDICINE

The Howard Waters Doughty Prize. Established by an anonymous donor—To that member of the senior class who, in the opinion of the Department of Chemistry, has prepared the best honors thesis. *$120 to Charles Douglas Gilbert '71.*

The Frank Fowler Dow Prizes. Established by Fayette B. Dow of the Class of 1904 in memory of his father—To that junior or senior preparing to enter medical school, whose undergraduate work indicates a career of usefulness and distinction in medicine. *$150 to Andrew Martin Rosenthal '71 and $150 to Robert Yarchoan '71.*

DRAMATICS

The Raymond Keith Bryant Prize. Given by Robert E. and Ethel M. Bryant in memory of their son, Raymond Keith Bryant of the Class of 1936—To that undergraduate who, in the opinion of a board of judges, gives the best single performance of the year in a Masquers' play. *$45 to Geoffrey Lynn Keller '73 for his performance as York in Richard II.*

ECONOMICS

The W. T. Akers, Jr. Prize. Given by W. T. Akers, Jr. of the Class of 1927—To that undergraduate who, in the opinion of the Department of Economics, has submitted the best honors thesis in economics. *$50 to Edward John Lincoln '71.*

The Hamilton Prize. Established by his former students in memory of Professor Walton Hale Hamilton (Amherst College 1915-1923)—To that student other than a senior who ranks highest in the introductory economics

course. *A collection of economics books to the value of $30 to Steven Lazar Emanuel '73.*

The Merrill Center Prize—To that senior who, in the opinion of the Department of Economics, has written an honors thesis of distinction upon a subject related to capital formation and economic growth. *$100 to John Leonard Bicknell '71.*

The Sylvester Prize. Given by Albert L. Sylvester of the Class of 1924—To that junior majoring in economics, who has done outstanding work in that department while maintaining a worthy general average. If the recipient is already receiving financial aid, the award is $750. If not, the award to the student is $100 and the Robert Frost Library receives the remainder for the purchase of books in the field of economics. *No award 1971.*

ENGLISH

The Academy of American Poets Prize. Given by Harry Woodbourne—To the undergraduate submitting the best poem or group of poems, preferably on nature. *$100 to Linda Ellen Weissinger (Smith College '72).*

The Armstrong Prize. Established in part by Collin Armstrong of the Class of 1877 in memory of his mother Miriam Collin Armstrong—To members of the freshman class who excel in composition. *Books to the value of $130 to Stephen Paterson Belcher, IV '74.*

The Collin Armstrong Poetry Prize. Established in part by Mrs. Elizabeth H. Armstrong—To the undergraduate submitting the best original poem or group of poems. *$130 to Edward Bennett Tasch '73.*

The Corbin Prize. Established by a bequest from the estate of William Lee Corbin of the Class of 1896—To a student submitting an outstanding original composition in the form of poetry or an informal essay. *$60 to Thomas Malcolm Skove, Jr. '73 and $60 to Linda Ellen Weissinger (Smith College '72).*

The John Franklin Genung Prize. Given anonymously in memory of Professor Genung (Amherst College 1882-1917)—To that junior or senior who excels in prose composition. *$50 to John Frederick Pfeil '71.*

The Harry Richmond Hunter, Jr. Prize. Established by H. R. Hunter and Emma Louise Hunter in memory of their son, Harry Richmond Hunter, Jr. of the Class of 1929—To that sophomore who presents the best essay on a topic approved by the Department of English. *$50 to Peter Edward Scheer '73.*

The Peter Burnett Howe Prize. Established by Robert B. Howe of the Class of 1930 in memory of his son, Peter Burnett Howe of the Class of 1960—To an undergraduate for excellence in prose fiction. *$60 to Alan David Maislen '72.*

The Ralph Waldo Rice Prize. Established by Mrs. Mary Rice Jenkins in memory of her brother, Ralph Waldo Rice of the Class of 1910—To the student submitting the best essay on "The Liberal College and Christian Citizenship" or any other subject named by the Faculty. *$180 to Herbert Frederick Tucker, Jr. '71.*

FRENCH

The Frederick King Turgeon Prize in French Literature. Established by former students of Professor Turgeon (Amherst College 1926-1969)—To the student who, in the opinion of the faculty in French, has done particularly distinguished work in French literature during the year. *Books awarded to Gil Ramon Valenzuela '72.*

GREEK

The William C. Collar Prize. Established by William C. Collar of the Class of 1859—To the freshman who shall make on a written examination the best version in English of a previously unseen page from some Greek author. *$145 to Stephen Paterson Belcher, IV '74.*

The Harry deForest Smith Award—To a member of the entering freshman class enrolled in a course in Greek. The award is made on the basis of an examination given at the candidate's school in the March preceding college entrance for students who have studied Greek two or three years at the secondary school level. The amount is based upon financial need as determined by the regular procedures of the College and is renewable in accordance with those procedures. Where there is no financial need, an honorary award of $100 is given for the first year. *Richard Grinnell Cleaver '74.*

HISTORY

The Alfred F. Havighurst Prize—To that student majoring in the Department of History who, in the opinion of the faculty in history, has, in his four years at Amherst College, best fulfilled the standards of excellence and humane scholarship exemplified by Alfred F. Havighurst during the many years (1931-1970) of his teaching career at Amherst College. *$50 for the purchase of books to James Charles Albisetti '71.*

JOURNALISM

The Samuel Bowles Prize. Established by Samuel Bowles King of the Class of 1902 to stimulate interest in journalism as a career—To a junior or senior who has demonstrated proficiency in journalism. The available income may be used from time to time for a scholarship or toward a lectureship. *$375 to Samuel Isadore Rosenberg '72.*

LATIN

The Bertram Prizes. Established by John Bertram of Salem—To students attaining a high average in Latin courses of the senior year who also present the best essays on some approved topic connected with these courses. *No award 1971.*

The Billings Prizes. Established by Frederick Billings in memory of Parmly Billings of the Class of 1884—To students achieving general excellence in the Latin courses of the sophomore year who also present the best essays on some approved topic connected with the authors read in that year. *First Prize: $85 to Paul Alexander Zink '73; Second Prize: $40 to Marc David Winkelman '73.*

The Crowell Prizes. Established in memory of Edward Payson Crowell of the Class of 1853—To students of the highest scholarship in the freshman Latin courses; and to students attaining a high average in the Latin courses of the junior year who also present the best essays on some approved topic connected with these courses. *Freshman Awards—First Prize: $42 to Joseph William Rock '74 and $42 to James David Velleman '74; Second Prize: $40 to Alexander Anastasios Notopoulos, Jr. '74. Junior Award—First and Second Prize: $125 to James Lawrence Butrica '72.*

MATHEMATICS, PHYSICS AND ASTRONOMY

The Bassett Physics Prizes. Established by Preston Rogers Bassett of the Class of 1913—To students who have distinguished themselves by the excellence and maturity of their performance in the class and laboratory work of the first course in physics. *First Prize: $100 to Wang Kong Cheung '74; Second Prize: $50 to Stephen Payne Goff '73.*

The Porter Prize. Established by Eleazer Porter of Hadley—For proficiency in first-year astronomy. *$80 to Frederick William Schneider '73.*

The William Warren Stifler Prize. Established by Professor Stifler (Amherst College 1925-1953)—To a senior majoring in physics, nominated by the

faculty in physics, for excellence in the courses of the junior and senior years, with special weight in the course on electricity and magnetism. *$115 to Roger Wilmot Turton '71.*

The Walker Prizes. Established by William J. Walker of Newport, Rhode Island—To students achieving proficiency in mathematics of the first and second years as determined by an examination. *First year—First Prize: No award 1971; Second Prize: $100 to Glenn Ellwood Thomas '74; Second year—First Prize: $200 to Wang Kong Cheung '74; Second Prize: $100 to David Nicholas Mastronarde '74.*

MUSIC

The Eric Edward Sundquist Prize. Established by the Class of 1936 in memory of Eric Edward Sundquist of the Class of 1936—To a senior who has demonstrated excellence in musical composition and performance. *$100 to Edward Rooker Phillips '71.*

PHILOSOPHY AND RELIGION

The Moseley Prizes. Established by Thomas W. H. Moseley of Hyde Park— To seniors for the best essays on a subject pertaining to the study of religion. *First Prize: $490 to Errol Valentine Daniel '71; Second Prize: $125 to Loring Mandell Danforth '71 and $125 to Frederick John Fischer '71.*

PHYSICAL EDUCATION

The Sawyer Prizes. Established by Edmund H. Sawyer (Hon. 1878)—To senior and sophomore students for improvement in the Department of Physical Education. *Senior Prize: $97 to Andrew Mensel Perkins '71; Sophomore Prize: $97 to John Lee Ellis '73.*

POLITICAL SCIENCE

The Densmore Berry Collins Prize. Given by Miss Margaret S. Densmore in memory of her nephew, Densmore Berry Collins of the Class of 1940— To the student submitting the best honors thesis in the Department of Political Science. *$50 to Glen Sheldon Lewy '71.*

PUBLIC SPEAKING

The Bancroft Prizes. Established by Frederic Bancroft of the Class of 1882— To the two seniors who produce the best orations, both composition and delivery being considered in making the awards. *First Prize: $390 to John Christopher Jones '71; Second Prize: $230 to Michael Jozef Israels '72.*

The Bond Prizes. Established by Ephraim W. Bond of the Class of 1841—For the best spoken presentations at the Senior Chapel service. *No award 1971.*

The Gilbert Prize. Established by William O. Gilbert of the Class of 1890—To the junior who produces the best oration, both composition and delivery being considered in making the award. *$100 to Richard Carey Wailes '72.*

The Hardy Prizes. Established by Alpheus Hardy of Boston—For excellence in extemporaneous speaking. *First Prize: $90 to David H. Smilow '74; Second Prize: $40 to Michael Jozef Israels '72.*

The Kellogg Prizes. Established by Rufus B. Kellogg of the Class of 1858—To sophomores or freshmen for excellence in declamation. *First Prize: $70 to Michael Broad '73; Second Prize: $50 to Stephen Larcher Cochran '73.*

The Rogers Prize. Established by Noah C. Rogers of the Class of 1880—To a junior for excellence in debate. *$75 to Steven Mark Gluckstern '72 and $75 to David Samuel Turesky '72.*

SCHOLARSHIP AND CITIZENSHIP

The Borden Freshman Prize. Established by the Borden Company—To the student who has achieved the highest average grade for all college work taken the freshman year. *$200 to Paul Gordon Yock '73.*

The Addison Brown Award. Established by Addison Brown of the Class of 1852—To that senior already receiving financial assistance under the regular procedures of the College who shall have attained the highest standing in the studies of the first three years. *$600 to Michael Peter Madow '71.*

The Samuel Walley Brown Award. Established by Samuel Walley Brown of the Class of 1866—To that sophomore who, at the end of the sophomore year, shall, in the estimation of the Trustees, rank highest in his class in character, class leadership, scholarship, and athletic ability. *$600 to Dale Frederick Swartz, III '72.*

The Computer Center Prize—For outstanding contributions in the application of the computer to a broad range of academic disciplines, and for help to students and faculty at the Computer Center. *Tom Scott Hudson '71.*

The Friends of the Amherst College Library Prizes—To students who demonstrate strong interests in book collecting and who present good beginning collections. *First Prize: No award 1971; Second Prize: $50 to Ralph J. Benko '74; Third Prize: $25 to Stephen Norbert Keith '73.*

The Frank A. Hosmer Award. Established by Frank A. Hosmer of the Class of 1875—To that sophomore already receiving financial assistance under the regular procedures of the College who shall have attained the highest standing in the studies of the freshman year. *$600 to Paul Gordon Yock '73.*

The Robert L. Leeds, Jr. Honor Award. Established in honor of Robert Leeds, Jr. of the Class of 1951—To a senior who has demonstrated through action a lasting commitment to projects of social concern. *A $100 bond and an engraved medallion to Richard Whiteley Comfort, Jr. '71.*

The Gordon B. Perry Memorial Award—To a freshman in good academic standing whose participation and attitude in freshman athletics and other activities are outstanding. *$100 and a trophy to Thomas Albert Theye '74.*

The Porter Admission Prize. Established by Elezaer Porter of Hadley—To the entering freshman who is adjudged to have the best general record on the College Board tests taken for admission to Amherst, the name of the successful candidate and that of his school to be published in the catalog. *$110 to Howard Alan Nadworny '74. Burlington (Vermont) High School.*

The Psi Upsilon Prize. Established by Gamma Chapter of Psi Upsilon in 1941 on the occasion of the Centennial Anniversary of the founding of the Chapter—To that member of the graduating class who, in the opinion of a committee consisting of the President of the College, the Dean, and the Chairman of the Department of Physical Education and Intercollegiate Athletics, is considered to be "The First Citizen of the College." *$435 to Roger Holt Cummings '71.*

The John Sumner Runnells Memorial Prize. Established in memory of John Sumner Runnells of the Class of 1865—To that sophomore who is, in the opinion of the Trustees of the College, preeminent in his zeal for knowledge and industry to attain it. *$600 to Stephen Robert Kessell '72.*

The Obed Finch Slingerland Memorial Prize. Established anonymously and awarded by the Trustees of the College—To that junior, who, during his first three years at Amherst, has shown by his own determination and accomplishment the greatest appreciation of and desire for a college education. *$1,100 to Joseph Emerett Compton, III '71.*

The Sylvester Award. Given by Albert L. Sylvester of the Class of 1924—To that senior already receiving financial assistance under the regular procedures of the College, who, at the end of the junior year, has combined most clearly outstanding success in extracurricular activities, including athletics, with academic distinction in one or more fields. *No award 1971.*

The Stanley V. and Charles B. Travis Prize. Established by Charles B. Travis of the Class of 1864—To that member of the graduating class who has made the most improvement as a man and as a scholar during his college course. (Combined with The Woods Prize.) *$152 to Michael Peter Madow '71 and $152 to Gennaro Anthony Romano, III '71.*

The M. Abbott Van Nostrand Prize. Given by The Friends of the Amherst College Library—To that entrant in the student book collection competition who demonstrates considerable experience, knowledge, and ability in book collecting. *$100 to Nicholas Kilmer Westbrook '71.*

The Woods Prize. Given in memory of Josiah B. Woods of Enfield—For outstanding excellence in culture and faithfulness to duty as a man and as a scholar, particular attention being given in any prominent case of improvement during the four years' course. (Combined with the Travis Prize.) *$152 to Michael Peter Madow '71 and $152 to Gennaro Anthony Romano, III '71.*

The Ashley Memorial Trophy. Given by the Class of 1916 in memory of Thomas W. Ashley who was killed in action at Belleau Wood in 1918—To the retiring member of the football team who, in the opinion of a committee consisting of the Coach, the Manager, and the Captain-elect, has best "played the game." *Edward Robertshaw English '71.*

The Robert E. Bauser Memorial Award. Given in memory of Robert E. Bauser of the Class of 1954. (Will not be awarded in the future.)—To that senior who, in the opinion of the senior board of Radio Station WAMH, has been of the greatest service in the operation and development of the station during his tenure as a station member. *A $25 United States Savings Bond to Robert Alden Brown '71.*

The Howard Hill Mossman Trophy—To that senior who, in the opinion of a committee consisting of the President of the College, the Dean, the Chairman of the Department of Physical Education and Intercollegiate Athletics, and the President of the Student Council, has brought, during his four years at Amherst, the greatest honor in athletics to his Alma Mater—the word "honor" to be interpreted as relating both to achievement and sportsmanship. *Robert Lee Jones '71.*

The Lincoln Lowell Russell Prize. Established by J. W. Russell, Jr. of the Class of 1899, in memory of his son—To that member of the graduating class who has done most to foster the singing spirit in Amherst College. *$38 to Read Shailer Handyside '71; $38 to David Matthew Nathan '71; and $38 to William Barnes Schoonmaker '71.*

Degrees Conferred

OCTOBER 31, 1970

Rite

Bruce George Cuthbert Bayne
New York, New York

Andrew Maine Hemenway
Northford, Connecticut

John Pou-Chung Lin
Flushing, New York

Thomas Pritchard Oliphant
Albany, New York

APRIL 10, 1971

Cum laude

Morris Edward Bailey
Psychology
Syracuse, New York

Michael Eugene Breton
Psychology
Wakefield, Massachusetts

James Lindell Dein
Geology
Pelham, New York

Rite

William Victor Gaymon
Silver Spring, Maryland

Jeffrey Glidden Southworth
Averill Park, New York

Montgomery Wray Witten
Bronxville, New York

JUNE 4, 1971

Summa cum laude

James Charles Albisetti
History
Wilmington, Delaware

Jonathan Louis Alper
Independent Scholar
Chevy Chase, Maryland

James Julius Brudney
American Studies
New York, New York

Roger Holt Cummings
Economics
Birmingham, Michigan

Loring Mandell Danforth
Classics
Westwood, Massachusetts

Robert Raymond Elliott, III
English
Interlaken, New York

Charles Douglas Gilbert
Independent Scholar
Great Neck, New York

Richard Stuart Goodman
English
St. Paul, Minnesota

Tom Scott Hudson
Mathematics
Zionsville, Indiana

Corey Eliot Lerner
Independent Scholar
Rego Park, New York

Edward John Lincoln
Economics
Basking Ridge, New Jersey

Michael Peter Madow
Independent Scholar
Valley Stream, New York

Louis Alan Matis
Psychology
Woodmere, New York

John Frederick Pfeil
Independent Scholar
Port Allegany, Pennsylvania

Edward Rooker Phillips
Music
Southampton, Massachusetts

Andrew Martin Rosenthal
Biology
Woodcliff Lake, New Jersey

Herbert Frederick Tucker, Jr.
Independent Scholar
South Hadley, Massachusetts

Roger Wilmot Turton
Physics
Greenfield, Massachusetts

Thomas Eliot Wartenberg
Independent Scholar
Great Neck, New York

Magna cum laude

Roger Cole Adams
European Studies
Chestnut Hill, Msasachusetts

Terry Leland Andrews
English
Lincoln, Illinois

Harry Fahrig Cole
American Studies
Providence, Rhode Island

Errol Valentine Daniel
Anthropology
Kandy, Ceylon

Robert Sayers Fawcett
Biology
Cedar Rapids, Iowa

Frederick John Fischer
Religion
St. Paul, Minnesota

George Henry Freeman
American Studies
New York, New York

Thomas Hoyt Fuller, Jr.
Mathematics
Portsmouth, Virginia

David Barnard Garlan
Mathematics
Portland, Oregon

Kirston Edward Koths
Independent Scholar
Storrs, Connecticut

Robert Stewart Kyff
American Studies
Armonk, New York

Glen Sheldon Lewy
Political Science
New Milford, New Jersey

Justin Frank Little
Independent Scholar
Moorestown, New Jersey

Stuart Low
Independent Scholar
Danvers, Massachusetts

Keith Lawrence Miller
Independent Scholar
Glencoe, Illinois

David Matthew Nathan
Biology and English
Rockville Centre, New York

Lawrence Daniel Pinsof
Economics
Winnetka, Illinois

William Robert Rowley
Independent Scholar
Natick, Massachusetts

Charles Stephen Sims
American Studies
Birmingham, Michigan

Joseph Edwin Sizer, III
English
Roseville, Minnesota

Rodney Jeff Solomon
Economics
Cincinnati, Ohio

Robert Steven Sparks
Interdepartmental
St. Louis, Missouri

Carl R. Spivack
English
New York, New York

Gregory Barton Sutphin
Fine Arts
Huntington, New York

Thomas Volet
Philosophy
East Hills, New York

John Benton Warthen, III
English
Vidalia, Georgia

Wilburn Williams, Jr.
History
Greenwood, Mississippi

Robert Yarchoan
Biophysics
Oceanside, New York

Cum laude

Robert Louis Abrahamson
English
Elkins Park, Pennsylvania

Peter Tomlin Agnew
English
Summit, New Jersey

John Robinson Beeson
American Studies
Chappaqua, New York

Thomas Grantland Bias
English
Baltimore, Maryland

John Leonard Bicknell
Economics
Marshfield, Massachusetts

Michael Allen Bradley
English
North Smithfield, Rhode Island

Garrett Mills Brown
Fine Arts
Darien, Connecticut

Bruce Scott Butterfield
English
Haworth, New Jersey

Mark Tristram Coffin
Fine Arts
Haverford, Pennsylvania

Joseph Emerett Compton, III
Independent Scholar
Detroit, Michigan

Alfred Hoyt Corbett, Jr.
Fine Arts
Washington, D. C.

Frederick Titus Croft
Fine Arts
Hinsdale, Illinois

David Anthony Crosson
English
West Hartford, Connecticut

Kevin Mason Daring
Independent Scholar
Clarks Summit, Pennsylvania

John Morton Dasher
American Studies
Darien, Connecticut

Thomas Milburn Davis, III
Political Science
Falls Church, Virginia

Thomas Gebhard DeWitt
Biology
Michigan City, Indiana

John Carlton Dickinson
Chemistry
East Aurora, New York

Paul Anthony di Sant'Agnese
Biology
Washington, D. C.

Robert Saul Ellenport
Independent Scholar
Union, New Jersey

Steven Austin Farwell
English
Northbrook, Illinois

Ian Edward Finlayson
Political Science
Toronto, Ontario, Canada

Robert Arthur Flewelling
Religion
Crouseville, Maine

Carl Arthur Francis
Geology
Springfield, Massachusetts

James Nisbet Frazer, Jr.
Fine Arts
Atlanta, Georgia

John Shanklin Gilkeson, Jr.
American Studies
Claremore, Oklahoma

Frederick Crawford Goggans
English
Fort Worth, Texas

Peter Hofman Gordon
Economics
Beachwood, Ohio

Stephen Hugh Gunnels
English
Downers Grove, Illinois

David Rollo Hawkins, Jr.
Biology
Charlottesville, Virginia

Robert Wilson Hawkins
American Studies
Charlottesville, Virginia

James Guy Hellerman
Biology
Longmeadow, Massachusetts

John Kelly Philip Hendricks
Political Science
Meadville, Pennsylvania

Steve Andrew Gerard Herald
Political Science
Paris, France

Thomas Arthur Hoadley
Fine Arts
Milford, New Hampshire

Anthony James Hom
American Studies
Albertson, New York

David Butler Hoyt
Independent Scholar
Akron, Ohio

John Robert Jaenike, Jr.
Biology
Honeoye Falls, New York

David Robert Johnson
Economics
Windsor, Connecticut

Michael Joshua Karter
Dramatic Arts
New York, New York

Jonathan Nueve Kay
Biology and English
Wilmington, Delaware

Edward Arthur Kister, Jr.
English
Pittsburgh, Pennsylvania

Charles Watson Landmesser
Geology
Loudonville, New York

Gregory Charles Landon
History
Vestal, New York

John Francis Lanza, Jr.
Fine Arts
Hingham, Massachusetts

Daniel Pitt Leonard
Fine Arts
Darien, Connecticut

Jonathan Steven Linker
Geology
Princeton, New Jersey

Frederick Vance Lucas, Jr.
Biology
Columbia, Missouri

Leigh Barbour MacKay
History
Marshfield, Massachusetts

Joel Mandelbaum
Biology
Brooklyn, New York

Charles Whipple March
English
South Yarmouth, Massachusetts

John Dudley Mason
English
Catlettsburg, Kentucky

Peter Bens McEvoy
Biology
Bangor, Maine

Willard Charles McNitt, III
Economics
Winnetka, Illinois

Woodson Charles Merrell
Political Science
Chatham, New Jersey

Edward Hofkin Merves
American Studies
Philadelphia, Pennsylvania

Roger Conant Mixter, Jr.
English
Milwaukee, Wisconsin

Robert Charles Moest
Independent Scholar
Buffalo, New York

John Edwin Monego
Economics
Sherborn, Massachusetts

William Fowler Moore
American Studies
Lewiston, Idaho

Timothy Michael James Nater
English
New York, New York

Thomas Corning Oxtoby
English
Bryn Mawr, Pennsylvania

John Randolph Parten
Economics
Madisonville, Texas

Stanford Carl Pearson
Philosophy
Tampa, Florida

Michael Christopher Pelletier
Political Science
St. Louis, Missouri

Ronald Mark Podell
Economics
Elizabeth, New Jersey

Scott Davis Ponemone
Independent Scholar
Randallstown, Maryland

Marc Hichard Pritzker
American Studies
St. Paul, Minnesota

James Keel Reed
Economics
Woodstown, New Jersey

Stephen Alan Reed
Economics
Wilbraham, Massachusetts

Roger Walker Rhodes
Biology
Amherst, Massachusetts

Norman David Rimmer
Independent Scholar
Wellesley, Massachusetts

William Eric Robinson
American Studies
Woodland, California

Gary Louis Rogalski
Fine Arts
Plymouth, Michigan

Gennaro Anthony Romano, III
English
Derby, Connecticut

Russell Lloyd Ranson Ryan
Biology
East Grand Rapids, Michigan

William Barnes Schoonmaker
English
Ventura, California

Winfried Schott
History
Port Washington, New York

Eric Lloyd Segal
English
Worcester, Massachusetts

Anders Seim
Anthropology
Rye, New York

Marc Alan Sills
Fine Arts
Chelmsford, Massachusetts

David Lee Silverman
Mathematics
Melville, New York

Robert Thomas Smart, Jr.
Political Science
Braintree, Massachusetts

Crawford Cunningham Smith
Economics
Wilkes-Barre, Pennsylvania

Michael Raymond Smith
Anthropology
Baltimore, Maryland

Thomas Russell Smith
English
Dansville, New York

Gordon Barnefield Snyder
Political Science
Woodbridge, Connecticut

Frank Shaw Spear
Geology
Westport, Connecticut

Edward Forrest Stoddard, III
Geology
Amherst, Massachusetts

Charles Suplee Strickler, Jr.
Political Science
Gladwyne, Pennsylvania

Thomas Richard Suher
French
Springfield, Massachusetts

Raymond Caldwell Tait
Religion
Richmond, Virginia

Thomas Glanville Taylor
Economics
Providence, Rhode Island

Richard Frederick Teichgraeber, III
English
Houston, Texas

Dominicus Rytis Valiunas
Interdepartmental
New Rochelle, New York

Ronald Dixon Varney
Independent Scholar
Yardley, Pennsylvania

Peter Morrison Vitousek
Political Science
Honolulu, Hawaii

Laurence Nathaniel Wesson
Astronomy
Phoenixville, Pennsylvania

Nicholas Kilmer Westbrook
American Studies
Ballston Spa, New York

Dennis John Joseph Zaffetti
Astronomy
Windsor, Connecticut

Rite

Douglas Dix Abbey
Chappaqua, New York

John Joseph Ahern, III
Excelsior, Minnesota

Herbert Clark Anderson
Evansville, Indiana

John Arvid Anderson
Northampton, Massachusetts

Lennard Dale Axinn
Dix Hills, New York

Douglas Arms Bacon
Amherst, Massachusetts

Michael Jack Bailey
Louisville, Georgia

David Scott Bartlett
Chevy Chase, Maryland

William Durham Barwick
Atlanta, Georgia

Dale Lee Beckerman
Omaha, Nebraska

Richard Frank Bedard
Springfield, Massachusetts

David French Belding
St. Johnsbury, Vermont

James Augustus Bottiggi
Barre, Vermont

Martin Brand Boxer
Scarsdale, New York

Brian Edward Boyle
Winthrop, Massachusetts

John Mackemer Bradley
Peoria, Illinois

Robert Alden Brown
Buffalo, New York

William Joseph Edward Carroll
Lewiston, Maine

Alfred Attilio Checchi
Independent Scholar
Silver Spring, Maryland

Roy Stuart Clauss
New York, New York

Richard Whiteley Comfort, Jr.
Columbus, Ohio

Barrett Williams Couper
Loudonville, New York

David Hathaway Crimp
Erie, Pennsylvania

Frank Pendleton Cushman
Amherst, Massachusetts

Michael Glynn DeForge
Agawam, Massachusetts

Norman Wentworth DeWitt
Minneapolis, Minnesota

Francis Daniel Dibble, Jr.
South Boston, Massachusetts

Thomas Edward Donovan
Norwood, Massachusetts

Christopher Allison Dorrance
Penfield, New York

Piers Hugh Tremenheere Dowding
Rochester, New York

Kirk Mallory Duffy
Greenwich, Connecticut

Stephen Cameron Dunn
Fair Haven, New Jersey

David Alan Emory
Scarsdale, New York

Edward Robertshaw English
Dedham, Massachusetts

Paul Raymond Farrell
Oceanside, New York

Raymond Hopkins Feierabend, Jr.
Baton Rouge, Louisiana

Andrew Randolph Fisher
Nassau, New York

Henry Minton Francis, Jr.
Independent Scholar
Bronx, New York

Daniel Nicholas Andrew German
Humphrey, Nebraska

Jonathan Richard Glantz
Rockville Centre, New York

Henry Frank Goldman
Rockville Centre, New York

Kevin Bradley Gudridge
Rockville, Maryland

Jeffrey Thornton Haley
Tacoma, Washington

Joaquin Bradford Haley
San Diego, California

Read Shailer Handyside
Schenectady, New York

Richard Charles Heck, Jr.
Royal Oak, Michigan

Steven Devereux Hill
Marblehead, Massachusetts

Clifford Nelson Hogan
West Springfield, Massachusetts

Elisha M. Ignatoff
Bronx, New York

James Wallace Jakobek
Merrimac, Massachusetts

John Christopher Jones
Bronx, New York

Robert Lee Jones
Bristol, Connecticut

Robert Lee Jones
Tulsa, Oklahoma

William Robert Kendall
Stroudsburg, Pennsylvania

Allen T. Scott Kenyon
New Rochelle, New York

Gerald Michael Kozlow
Dearborn Heights, Michigan

Thomas Patrick Landers
Hartford, Connecticut

Harry Laracuente
Independent Scholar
New York, New York

Jean-Yves Francois Lhomond
Paris, France

Robert Warren Luce
Moorestown, New Jersey

George Edgar Mack
Amherst, Massachusetts

John Perkins Mackie
Stockbridge, Massachusetts

Daniel Franklin Malick
Monroeville, Pennsylvania

Michael Joseph Marino
Farmington, Connecticut

Ronald Eugene Marinucci
Dearborn, Michigan

Thomas William Mayo
Holyoke, Massachusetts

John Hammond McBride, Jr.
West Hartford, Connecticut

John Andrew McKenna
San Mateo, California

John Harold McKeon, Jr.
Moorestown, New Jersey

Charles Clement Merrill
Newark, Ohio

Thomas Richard Michelmore
Glen Head, New York

Paul Sheldon Monroe
Chatham, New Jersey

Heath Moore
Easton, Pennsylvania

Marshall Theodore Moriarty
Haydenville, Massachusetts

Robert Lorenzo Morris
Jamaica, New York

John TenBroeck Mudge
Lyme, New Hampshire

Wallace Carmichael Murchison, Jr.
Wilmington, North Carolina

Daniel Warren Nickerson
Portsmouth, New Hampshire

Samuel Ozersky
Winnipeg, Manitoba, Canada

Ernest Palmer, III
Winnetka, Illinois

Andrew Mensel Perkins
Batavia, New York

William Arthur Gerard Pettit
Buffalo, New York

Stephen Jan Playe
Homewood, Illinois

Tennyson Lee Pomeroy, II
North Reading, Massachusetts

Timothy Edward Quill
New Canaan, Connecticut

John Alan Richmond
Tampa, Florida

Joseph Nicholas Rizzo, Jr.
Manhasset, New York

David William Salem
North Brookfield, Massachusetts

Ralph Schwarz
Westport, Connecticut

Terrence Lyon Scott
Maplewood, New Jersey

Harry Lewis Sernaker
Independent Scholar
Bayside, New York

Rodney Beale Shepardson
Reston, Virginia

James Merrill Shook
Scotia, New York

Jeffrey Davis Smith
Endicott, New York

Winthrop Hiram Smith, Jr.
Litchfield, Connecticut

Michael Bruce Solkow
Scarsdale, New York

Philip Joseph Edward Stec
Newington, Connecticut

Paul Richard Stephens
Circleville, Ohio

Mark Andrew Stevenson
Lancaster, Pennsylvania

David Evans Stifler
Baltimore, Maryland

Frederic Sanderson Stott
Andover, Massachusetts

James Borst Stowe
North Haven, Connecticut

Robert John Strandburg
Chappaqua, New York

Robert James Sucsy
East Hampton, New York

Edward Andrew Alfred Tombs
Port Credit, Ontario, Canada

Gerald Johan Van Dyk
Baldwinsville, New York

Ernest Allen Vitello
Derby, Connecticut

William Sutton Webber, IV
Great Barrington, Massachusetts

Richard Steven Weinhaus
With Field Study
St. Louis, Missouri

Robert Frederick Wenzel
St. Louis, Missouri

Thomas Joseph Whalen, III
Pittsfield, Massachusetts

William Randolph Wheeler
Durham, New Hampshire

Daniel Collier Whitaker
Falls Church, Virginia

Stanley Lawrence Whittemore, Jr.
Winnetka, Illinois

James David Wolman
Philadelphia, Pennsylvania

Barry Lewis Zins
Chester, New Jersey

Honorary Degrees Conferred

SEPTEMBER 15, 1970

MASTER OF ARTS

John Lewis Callahan, Jr.
John Arthur Cameron
Robert Freeman Grose
Edward Renton Leadbetter
James Grenfell Mauldon
Lewis Seymour Mudge
Donald Owen White

NOVEMBER 14, 1970

MASTER OF ARTS

Minot Grose   1936

JUNE 4, 1971

DOCTOR OF HUMANE LETTERS

Charles Kingsley Arter   1936
James Alfred Guest   1933
Charles Robert Longsworth   1951
Eugene Smith Wilson   1929

DOCTOR OF SCIENCE

Julian Howard Gibbs   1946
Arno Richard Kassander   1941
Richard Rowland Lower   1951

DOCTOR OF DIVINITY

Alfred Sargent Lee   1941

DOCTOR OF LAWS

John Newton Worcester   1921
Calvin Hastings Plimpton   1939

MEDAL FOR EMINENT SERVICE

Byron Tanner Foster   1953

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ENROLLMENT

Enrollment

Seniors   Class of 1972

Adolfi, Henry Joseph
Alexandria, Virginia

Aitken, Bruce Gardiner
Branford, Connecticut

Alexander, George Martin
Athens, Greece

Allen, Bruce Edgarton
Canton, Massachusetts

Allen, Taylor Metcalf
Rockport, Maine

Allmart, William George
Wayne, Illinois

Andrews, Robert Goff
Burnsville, Minnesota

Bainbridge, Robert Hastings
Chestnut Hill, Massachusetts

Barbour, Bernard Eric
East Orange, New Jersey

Barr, Philip Edward
Agoura, California

Bartkowski, Adam Stanely
Irvington, New Jersey

Beck, Max William
Yeadon, Pennsylvania

Benson, Richard Addison
Sturgis, Michigan

Berman, Arthur Emmet
Cincinnati, Ohio

Bernstein, Louis Benson
Glen Cove, New York

Berry, Jeffery Paul
La Mesa, California

Bevan, Mark Filbert
Baltimore, Maryland

Bittman, James Brown
Ann Arbor, Michigan

Black, Jonathan Roberts
Wakefield, Massachusetts

Blackwell, Thomas Wrightington
Lexington, Massachusetts

Blair, Mitchell Warren
Malverne, New York

Bliss, John Wheeler
Locust Valley, New York

Blockwick, Craig Nicholas
McLean, Virginia

Bodine, Laurence
Newfoundland, New Jersey

Bonnar, William Deacon
Somerville, Massachusetts

Borton, Richard Warren
Huntingdon Valley, Pennsylvania

Botteon, Alan John
Southington, Connecticut

Brailow, David Gregory
Keuka Park, New York

Brandt, Eric Stuart
Orange, Connecticut

Briliant, Seth Howard
Ventnor, New Jersey

Brody, Martin Alan
Elgin, Illinois

Bromell, Nicholas Knowles
APO, New York, New York

Bulman, Michael Shea
Bethesda, Maryland

Butrica, James Lawrence
Magnolia, New Jersey

Campbell, Scott Glenn
Wethersfield, Connecticut

Canaday, Peter Gregson
Arlington, Massachusetts

Caroff, Peter
New York, New York

Case, David Randall
East Grand Rapids, Michigan

Cassidy, Owen Michael
Lynbrook, New York

Cavalier, Stevan John
Minneapolis, Minnesota

Chan, Anthony Sing Lam
Honolulu, Hawaii

Chapman, Paul LeGrand
Fayetteville, New York

Chrisemer, Kurvin Edgar Wier
Pottstown, Pennsylvania

Claflin, Edward Beecher
Cleveland, Ohio

Clamurro, Gary David
Nutley, New Jersey

Clegg, Timothy Turner
Chappaqua, New York

Cloues, Richard Ross
Warner, New Hampshire

Clyme, Terence Donelon
New York, New York

Cockshutt, Timothy Geoffrey
Somerset, England

Cody, Eric Peer
Barrington, Illinois

Cody, Jeffrey William
Westbury, New York

Collins, John Harding Horan
Chevy Chase, Maryland

Cope, Stephen Crothers
Pikeville, Kentucky

Cornell, Christopher Lloyd
Providence, Rhode Island

Cousey, Stephen John
Waterbury, Connecticut

Coyle, Donald Lorne
Ridgewood, New Jersey

Craven, Jeffrey Alan
Pittsford, New York

Cummins, John Patrick James. III
Olean, New York

Cutler, Stephen Alan
Morristown, New Jersey

Daly, Dennis Anthony
Avon, Connecticut

Dase, Wolfgang Arthur
Shelton, Connecticut

De Bree, Thomas Dean
Belchertown, Massachusetts

Dempsey, David Barnes
Manchester, Massachusetts

Diamond, William David
Westport, Connecticut

Dietz, Abraham Pinanski
Newton Centre, Massachusetts

Domingue, Gregory Allen
Baton Rouge, Louisiana

Dore, Michael Patrick
North Bergen, New Jersey

Doubleday, William Alan
North Amherst, Massachusetts

Drisko, James Winship
Yonkers, New York

Dunn, Christopher Romney
Westwood, Massachusetts

Egan, Michael James II
Timonium, Maryland

Eggers, Richard Melvin
Syracuse, New York

Ellis, Gregory Russell
New Britain, Connecticut

Emberson, Richard Maury, Jr.
Huntington, New York

Facey, Roger Duncan
Westbury, New York

Ferrandino, Vincent Luke
Norwalk, Connecticut

Filler, John Nicholas
Williamstown, Massachusetts

Fisher, Robert David
Brooklyn, New York

Fitts, Douglas Allan
Barre, Vermont

Flynn, Maurice Richard, III
Malden, Massachusetts

Fort, Timothy Ward
Plainfield, New Jersey

Foster, Stephen Matthews
Andover, Massachusetts

Franke, Jay Robert
Milwaukee, Wisconsin

French, Peter Haskins
Northampton, Massachusetts

Fugett, Jean Schloss, Jr.
Baltimore, Maryland

Gang, Stephen Ralph
Upper Montclair, New Jersey

Garcia, Franco, Jr.
Westfield, Massachusetts

Gillette, Clayton Porter
New Haven, Connecticut

Gluckstern, Steven Mark
Amherst, Massachusetts

Godek, Edward Joseph, Jr.
South Hadley, Massachusetts

Goodrich, David West
Santa Barbara, California

Gordon, Harold Damery
Schenectady, New York

Greenough, Walter Croan
New York, New York

Griffiths, Robert Pennell
Hinsdale, Illinois

Griffiths, Thomas Llewelyn
Park Ridge, Illinois

Haag, Gary Eden
Ivyland, Pennsylvania

Hager, Bradford Hoadley
Johnstown, Pennsylvania

Hall, Burton Robert
Bethesda, Maryland

Hamilton, John Francis
Forestville, Connecticut

Hammen, Charles Scott
Amherst, Massachusetts

Hammond, Joe Phil, Jr.
Tulsa, Oklahoma

Harding, James Linley
Simsbury, Connecticut

Hart, Henry, III
Philadelphia, Pennsylvania

Hart, Henry Ashton
Chevy Chase, Maryland

Hartzler, Joseph Henry
Worthington, Ohio

Hastil, John Christopher Patrick
Bayside, New York

Hastings, Richard Radcliffe
Wilton, Connecticut

Hauger, William Doit
Westminster, Massachusetts

Hazen, Steven Roger
Tucson, Arizona

Heald, Geoffrey Thayer
Hingham, Massachusetts

Heard, Joseph Garrett, IV
Coral Gables, Florida

Heim, Stephen Mark
Burlington, Vermont

Heller, Jonathan O'Neill
Middletown, New Jersey

Hemley, Frederick August
New York, New York

Henry, Eric Putnam
Berwyn, Pennsylvania

Herzberg, Bruce Irving
Vineland, New Jersey

Hoag, John Aronow
Grosse Pointe, Michigan

Hoffman, Mark Alan
West Newton, Massachusetts

Holzman, Thomas Ludwig
Lexington, Massachusetts

Horn, Steven Eliot
Scarsdale, New York

Hoxsie, Kenneth Allen
Warwick, Rhode Island

Ingalls, John Sumner
Binghamton, New York

Israels, Michael Jozef
New York, New York

Johnson, Douglas Clark
Bethesda, Maryland

Jones, Jeffrey Rickey
Elmira, New York

Jones, John Paul
Springfield, Massachusetts

Katz, Stuart George
Bloomfield, Connecticut

Kaufman, Daniel Jonathan
Great Neck, New York

Keene, John Willis, Jr.
Auburn, Maine

Kelleher, Michael Harry
Medfield, Massachusetts

Kelly, Denis Francis
Worcester, Massachusetts

Kessell, Stephen Robert
South Paris, Maine

Klein, Laurence Alan
Brooklyn, New York

Kloepfer, George Joseph, II
Buffalo, New York

Koulouris, Paul Eustratius
Wakefield, Massachusetts

Kriss, Eric Arthur
Stanford, California

Kroboth, Frank James, III
New Hartford, New York

Kuperberg, Mark Jeffrey
Flushing, New York

Laurenson, Edwin Charles
North Canton, Ohio

Leach, James David
Talladega, Alabama

Lebowitz, Brian Ephraim
Austin, Texas

Lee, David Robinson
New Salem, Massachusetts

Leonard, Gregory Louis
Boston, Massachusetts

Levenson, David Jeffrey
Pittsburgh, Pennsylvania

Lind, Robert Lockwood
Farmingdale, Maine

Lipscomb, Thomas Roger
Wilmington, Delaware

Lipsky, Abbott Bennett, Jr.
Cedar Rapids, Iowa

Maislen, Alan David
West Hartford, Connecticut

Manstein, Carl Howard
Rydal, Pennsylvania

Marx, David, Jr.
Highland Park, Illinois

Maynard, Thomas Eugene
Amherst, Massachusetts

McNamara, Robert James
New York, New York

McNeer, Craig Selden
Montpelier, Vermont

Mead, Albert Edward, Jr.
San Marino, California

Menzies, Douglas MacLaurin
Ossining, New York

Miliotis, Mark George
Melrose, Massachusetts

Miller, James Doull
La Canada, California

Montgomery, John Milton
Abington, Pennsylvania

Moore, Robert Wood, Jr.
Easton, Pennsylvania

Moore, William John, III
Winnetka, Illinois

Murphy, Timothy Cornelius
Stoneham, Massachusetts

Murray, David Kassor
Fayetteville, New York

Naughton, Michael James
Old Saybrook, Connecticut

Ogilvie, Robert James
St. Louis, Missouri

Orent, Clifford
West Newton, Massachusetts

Orr, Gregory John
Agawam, Massachusetts

Orr, John Christopher
Fruita, Colorado

Ostrander, Remsen Griggs, III
Southampton, New York

Pates, James Morgan
Fredericksburg, Virginia

Payton, Jeffrey Lewis
West Hartford, Connecticut

Peace, William Patton
Amherst, Massachusetts

Pergola, Ronald Charles
New Milford, New Jersey

Perr, Norman Seth
Rockville Centre, New York

Perry, John Richard
Aurora, New York

Peters, Frederick Charles, II
Rosemont, Pennsylvania

Peterson, John Howard
New Richmond, Wisconsin

Phillips, Malcolm Charles
Valley Stream, New York

Pilgrim, David Matthew
Brooklyn, New York

Planting, Charles Scott
St. Louis, Missouri

Pollard, Brian Francis
Winnetka, Illinois

Porter, Horace Anthony
Columbus, Georgia

Potanka, Paul Edward
Avon, Connecticut

Quaintance, Robert Forsyth, Jr.
Wilmette, Illinois

Ramsey, Kenneth Allen
Cincinnati, Ohio

Ray, David Allan
Buffalo, New York

Reed, Mark Verne
Mentor, Ohio

Reichstein, Benjamin James
Chicago, Illinois

Reilly, Kevin Connelly
Darien, Connecticut

Rice, Edward Werner, III
Larchmont, New York

Richards, Lee Sumner, III
Bedford, New York

Roberts, Christopher Chalmers
Washington, D.C.

Roberts, William Bailey
Waban, Massachusetts

Rosenberg, Samuel Isadore
Baltimcre, Maryland

Rosepink, Robert Joseph
Pittsburgh, Pennsylvania

Rubin, Michael Harry
New Orleans, Louisiana

Rubin, Wayne Mitchell
Fair Lawn, New Jersey

Ryan, Thomas Grady
Milwaukee, Wisconsin

Sachs, Joseph Frederick
Bronxville, New York

Sahakian, Richard Lewis
Dedham, Massachusetts

Salmi, Paul David
Holden, Massachusetts

Sandhaus, Richard Carl
Westport, Connecticut

Sauer, Robert Thomas
Somerville, Massachusetts

Sayward, David William
Concord, New Hampshire

Scharf, Paul Lloyd
Roslyn, New York

Schatteman, Geoffry Chardule
Moline, Illinois

Scheinfeldt, Jerry Karl
East Hartford, Connecticut

Schell, Rowland Marshall
Purchase, New York

Schmerler, George William
Amherst, Massachusetts

Schoff, William Lincoln, Jr.
Flourtown, Pennsylvania

Senten, Jan William
Morristown, New Jersey

Shapiro, Philip Nathan
Lewiston, Maine

Shea, Peter Michael
Dallas, Texas

Shepard, David S.
Monmouth Beach, New Jersey

Simko, Michael Devlin
Trenton, New Jersey

Sinclaire, Peter Edgecomb
Lawrenceville, New Jersey

Sklaver, Gary Peter
Middlebury, Connecticut

Small, Wilfred Thomas, Jr.
Worcester, Massachusetts

Snider, Frederic Girvan
White Plains, New York

Somogyi, James William
Poughkeepsie, New York

Sorgi, Louis Vincent, Jr.
Milton, Massachusetts

Spear, Brian Hartwell
Worcester, Massachusetts

Stanback, Thomas Melville, III
Larchmont, New York

Stanne, Stephen Peter
Amherst, Massachusetts

Starkweather, George Allen, III
Havertown, Pennsylvania

Steere, David Faulkner
Matunuck, Rhode Island

Stephenson, John Frederick
Winnetka, Illinois

Stewart, Robert Terhune
Far Hills, New Jersey

Stirn, Bradley Albert
Cleveland, Ohio

Strimer, Steven Overton
Delaware, Ohio

Suneson, Neil Hedner
Winchester, Massachusetts

Swartz, Dale Frederick, III
Litchfield, Connecticut

Swensson, Stuart Jordan, III
Terrace Park, Ohio

Tabenkin, Mark Seth
West Caldwell, New Jersey

Thompson, Bruce Pollock
Swarthmore, Pennsylvania

Thompson, Myron
Philadelphia, Pennsylvania

Torem, Christopher Charles
New York, New York

Trencher, Peter Austin
Glen Cove, New York

Tritschler, David James
Creve Coeur, Missouri

Tunstall, Garnett Taylor, Jr.
Silver Spring, Maryland

Turesky, David Samuel
Portland, Maine

Tuttle, Robert Hayes
Stanford, California

Tyree, Gill Morgan
Washington, D.C.

Ullian, Joseph Alan
Merrick, New York

Urban, Thomas Stephen
Arlington, Virginia

Urrizola, Manuel Michael, Jr.
Stockton, California

Vairo, Edward James
New York, New York

Valenzuela, Gil Ramon
Washington, D.C.

Vusi, Ibrahim Sixtus
Bamenda, West Cameroon

Wagner, Richard George, Jr.
Cranford, New Jersey

Wailes, Richard Carey
Lutherville, Maryland

Wallack, Lewis Mark
Beachwood, Ohio

Walsh, Sean Patrick
Bronx, New York

Ward, James Bradford
Chicopee, Massachusetts

Weeks, Robert Roland
Seattle, Washington

Welch, John Stewart
Raleigh, North Carolina

Wicklatz, James David
Wayzata, Minnesota

Wilkins, Arthur Carroll
Silver Springs, Maryland

Williams, Russell Eugene
Savannah, Georgia

Willoughby, John Rawling III
Warren, Ohio

Wilson, Charles Steele
Washington, D.C.

Wilson, Geoffrey Alan
Dover, Massachusetts

Wormley, Wayne Marvin
Grambling, Louisiana

Yamins, Robert Joseph
Freeport, New York

Yano, Yasuhiro
Ashiya-Shi, Hyogo, Japan

Yates, David Carleton
Northampton, Massachusetts

Yaw, Gregory Russell
Jamestown, New York

Young, Ronald Henry
Fort Pierce, Florida

Juniors Class of 1973

Addison, Andrew Lewis
Lakewood, New Jersey

Ahrensdorf, LeRoy William, Jr.
Wauwatosa, Wisconsin

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Allen, Paul Thorburn
Worcester, Massachusetts

Anderson, Robert Elmer, Jr.
West Barrington, Rhode Island

Angelo, John Kimberley
Hinsdale, Illinois

Ashrafi, Victor
Dunellen, New Jersey

Auger, Peter Joseph
Hyannis, Massachusetts

Austin, James Albert, Jr.
Scarsdale, New York

Babington, Douglas Neil
Stamford, Connecticut

Barrett, James Edward, III
Philadelphia, Pennsylvania

Beatty, Robert Loring, Jr.
Darien, Connecticut

Beckwith, Mark Monroe
Darien, Connecticut

Bellante, Carl Stephen
Clarks Summit, Pennsylvania

Bellante, John Lawrence
Clarks Summit, Pennsylvania

Bennett, Christopher Martin
Wellesley, Massachusetts

Biggs, Eric Richard
Eugene, Oregon

Bisiewicz, Alan Walter
Holyoke, Massachusetts

Black, John Robertson
Blowing Rock, North Carolina

Blackstone, Robert Alan
Milwaukee, Wisconsin

Bleiler, Robert Hilton, Jr.
Manchester, Connecticut

Blood, Robert Eldredge, III
Marblehead, Massachusetts

Boothby, Clyde Arthur
Gorham, Maine

Broad, Michael
Manchester, New Hampshire

Brodie, Allan Gibson, III
Glenview, Illinois

Brown, David Mosser
Framingham, Massachusetts

Brown, Gerald Graham III
Potomac, Maryland

Brown, Irving Foster
Ogdensburg, New York

Bruner, Robert Ray
Kansas City, Missouri

Buehler, Peter Swift
Pound Ridge, New York

Burchfiel, Kenneth James, Jr.
Homestead AFB, Florida

Butler, Peter Williams
Winnetka, Illinois

Cadwell, Steven Allen
Pittsford, Vermont

Caffey, Andrew Alexander
Timonium, Maryland

Carbone, Salvatore Joseph
Fonda, New York

Carr, Jesse Huntington
Hempstead, New York

Catto, Alistair John Alexander
Forfar, Angus, Scotland

Cawley, Michael Carroll
Bristol, Connecticut

Clark, William Howard, Jr.
Swarthmore, Pennsylvania

Clement, Charles Edward
Severna Park, Maryland

Cleveland, Russell Milner
North Hadley, Massachusetts

Cline, Craig Emerson
Williamsport, Maryland

Cochran, Stephen Larcher
Chevy Chase, Maryland

Cohen, Kenneth Robert
White Plains, New York

Cohen, Richard Bruce
East Rockaway, New York

Cohn, Daniel Richard
Stamford, Connecticut

Collins, Patrick Michael
Branford, Connecticut

Conger, David Trist
Denver, Colorado

Connelly, Christopher James
Turners Falls, Massachusetts

Connelly, John Walter
Amherst, Massachusetts

Corey, David Paul
Wellesley Hills, Massachusetts

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Coulter, Steven Lee
Tulsa, Oklahoma

Cuddy, John Cooper
Garden City, New York

Cummings, Timothy Lincoln
South Paris, Maine

Dacey, Henry Gowan, Jr.
Mt. Pleasant, Pennsylvania

D'Andrea, John Joseph
Belmont, Massachusetts

Danielson, Richard Warren
Fair Haven, New Jersey

Dardick, Lawrence David
New Haven, Connecticut

Davis, Douglas Alan
River Forest, Illinois

Davis, Sidney James, Jr.
New York, New York

Dean, Robert Lee
Glen Ridge, New Jersey

Decyk, Julian Borys
Providence, Rhode Island

DeMartine, Joseph Robert
Gauting, Germany

Dibble, Stephen George
Cincinnati, Ohio

Dillon, Carl Frederick, Jr.
Lowell, Massachusetts

Doniger, Andrew Seth
Nanuet, New York

Douglas, Donnelly Stewart
Westbrook, Maine

Downes, David Alan
West Hartford, Connecticut

Dunlap, William Holmes
Concord, New Hampshire

Eastburn, David Rodman
Doylestown, Pennsylvania

Eaton, Danny Walter
Wilbraham, Massachusetts

Edelman, Leon Frederick
Glencce, Illinois

Ehrenkranz, Joel Richard Lewis
South Orange, New Jersey

Ellis, John Lee
Fort Worth, Texas

Epstein, Andrew Ernest
Ann Arbor, Michigan

Ewing, Lee Baylor
Cuba, Illinois

Fernald, David Brooks
Needham, Massachusetts

Ferrarone, Stephen Francis
Springfield, Massachusetts

Filler, Jorge Simon
New York, New York

Fox, John Martin
Lancaster, Pennsylvania

Franklin, Presley
Marks, Mississippi

Freudenthal, David Duane
Thermopolis, Wyoming

Galvin, James Terence
Wellfleet, Massachusetts

Gentilli, Richard Emile
Milan, Italy

Gerchick, Mark Lawrence
Scarsdale, New York

Gibralter, Richard Paul
Westbury, New York

Glover, George Thomas
Middletown, Connecticut

Goff, Stephen Payne
Swansea, Massachusetts

Gold, Kenneth David
Plainview, New York

Golenbock, Jeffrey Taylor
Scarsdale, New York

Goodman, Alan Robert
Ware, Massachusetts

Gordon, David
Silver Spring, Maryland

Green, Stephen Lloyd
Amherst, Massachusetts

Gumport, Michael Andrew
New York, New York

Haggerty, Kevin Patrick
Arlington, Virginia

Hall, Theodore Ray
Tulsa, Oklahoma

Harris, Bruce Anthony
Cedar Rapids, Iowa

Harris, Isaac Anthony, Jr.
Darien, Georgia

Harris, Thomas Norman
Piedmont, California

Hasen, John Hunnewell
New York, New York

Hayden, Jonathan Brewster
Yarmouth, Maine

Hayes, Gregory Michael
River Forest, Illinois

Hayner, Thomas Aquinas
Lexington, Massachusetts

Higgins, Alfred Clinton
Washington, D.C.

Hilbert, Christopher Robin
Indialantic, Florida

Hill, William S., Jr.
Belmont, Massachusetts

Hoag, Selwyn Barton III
Littleton, Colorado

Holmes, Richard Douglas
Howard Beach, New York

Hopfan, Job
Roslyn Heights, New York

Horbar, Gary Michael
East Rockaway, New York

Hunter, Richard Hudspeth
Cresskill, New Jersey

Huskins, Kenneth Robert
Hempstead, New York

Isabell, Lonnie
Lackawanna, New York

Iwanski, Jerald Richard
Sterling Heights, Michigan

Jacob, William Carroll, Jr.
Larchmont, New York

Jaeger, R. Lloyd
Suffern, New York

Jasper, Napoleon, Jr.
St. Louis, Missouri

Jay, Jeffrey Alan
Trenton, New Jersey

Johnson, Clifton Charles
Wilbraham, Massachusetts

Johnson, George Robert, Jr.
Columbus, Georgia

Johnston, Eric Richard
London, England

Jones, Albert Richard, III
Worcester, Massachusetts

Jones, Kenneth Leroy
Kinston, North Carolina

Kaiho, Kazuhiro
Nara-shi, Nara-ken, Japan

Keenan, William Joseph, Jr.
West Hartford, Connecticut

Keith, Stephen Norbert
Chicago, Illinois

Keller, Geoffrey Lynn
Pasadena, California

Kemp, Thomas Lawson
Potomac, Maryland

Kennedy, Thomas Kevin John
Albuquerque, New Mexico

Kessler, David Aaron
Freeport, New York

Kester, Walter Carl
Swampscott, Massachusetts

Ketting, Jaap Jan
Bedford Hills, New York

King, Edward Chian-Shuan
Bethesda, Maryland

Klugman, Steven Ira
Havertown, Pennsylvania

Klutchko, Bruce Stewart
Farmingdale, New York

Koch, Douglas Donald
North Street, Michigan

Kornblith, Gary John
Pound Ridge, New York

Kowal, George Peter Paul
Glenview, Illinois

Lacey, John Fairbank
Mendham, New Jersey

Lachman, Charles Scott
New York, New York

Lavigne, Robert George
Hartford, Connecticut

Leigh, Armistead Macon III
Shaker Heights, Ohio

Lenox, Theodore Henry, III
Nashville, Tennessee

Lenz, William Ernest III
Orangeburg, New York

Leskowitz, Eric David
Framingham, Massachusetts

Levin, Theodore Craig
Weston, Massachusetts

Lewis, Gregory Scott
New Canaan, Connecticut

Libby, Thomas Gerold
Hastings-on-Hudson, New York

Liedtke, William Clarence, III
Houston, Texas

Livingston, Peter
Seattle, Washington

Loo, Clyde
New York, New York

Louie, Christopher You Chee
Needham, Massachusetts

MacKay, John Leonard
Montreal, Quebec, Canada

Mackey, William Charles
New Canaan, Connecticut

Mantini, Dana Robert
Cambridge, Massachusetts

Marberger, Thomas Frederick
Arcola, Pennsylvania

Margulies, David Michael
Springfield, New Jersey

Martin, Donald Craig
Sturgis, Michigan

McCarthy, David Dennis
Farmington, Connecticut

McCorkle, William Frantz, Jr.
Lexington, Virginia

McCray, Harold Estle
Philadelphia, Pennsylvania

McCreary, Robert Grosvenor, III
Shaker Heights, Ohio

McGill, Scott Audley
Willowdale, Ontario, Canada

McHenry, John Evans, III
Wilmington, Delaware

McNeil, David Willard
West Boxford, Massachusetts

McNeish, David Dixon, Jr.
Wellesley Hills, Massachusetts

McNitt, James Darrell
Winnetka, Illinois

Menitove, Stephen Mark
Rockville Centre, New York

Messersmith, Andrew Kirk
Lancaster, Pennsylvania

Messing, Gary Marc
New York, New York

Meyers, Stuart Louis
Pittsburgh, Pennsylvania

Milam, Jeffrey Lee
Dublin, Pennsylvania

Miller, Joseph Michael
Brooklyn, New York

Miller, William Bayard, Jr.
Wallingford, Pennsylvania

Miranda, Carlos Alejandro
Santiago, Chile

Miranda, Oscar, Jr.
New York, New York

Mitnick, John Harrod
Baltimore, Maryland

Mixter, James Murchie Eaton, Jr.
Cincinnati, Ohio

Moyer, Jonathan Frederick
Mechanicsburg, Pennsylvania

Mueller, Harold Carl
Creve Coeur, Missouri

Mullany, Brian Robert
Westfield, Massachusetts

Murphy, Paul Randolph
Philadelphia, Pennsylvania

Murphy, Richard Nathaniel
Hingham, Massachusetts

Murphy, Robert Douglas
Ramsey, New Jersey

Nash, Jay Arthur
Cincinnati, Ohio

Nelson, Carl Eric
West Concord, Massachusetts

Nerbonne, John Arthur, Jr.
Weymouth, Massachusetts

Nesbitt, John Howard
Orange, New Jersey

Neustadt, Ira
Florida, New York

Newton, Ratliff Michael
Chicago, Illinois

Norman, Alan David
Brookline, Massachusetts

Noyes, John Ely
Amherst, Massachusetts

O'Brient, James David
Danvers, Massachusetts

O'Neil, William Bruce
Lexington, Massachusetts

Orme, Eric Charles
Salt Lake City, Utah

Ourieff, Bruce Arthur
Los Angeles, California

Paine, Robert, III
St. Louis, Missouri

Parkhurst, Robert Bruce
Shaker Heights, Ohio

Pascone, David John
Johnston, Rhode Island

Patterson, John Thomas
Haddonfield, New Jersey

Pease, William Thompson
Wilmington, Delaware

Peddicord, Douglas Jeffrey
Baltimore, Maryland

Petrides, Chris Allan
Fitchburg, Massachusetts

Phillips, Mark Francis
Vernon, Connecticut

Phillips, William Walter
Westfield, New Jersey

Plough, Jonathan Irvin
Bethesda, Maryland

Pullman, John
Hornell, New York

Rachleff, Peter Jay
New London, Connecticut

Rafferty, Christopher George
Kensington, Maryland

Raines, Rudolf
Brooklyn, New York

Rawdon, Blaine Knight
Riverside, California

Read, Verne Ross, III
Milwaukee, Wisconsin

Reingold, Barry Jay
Forest Hills, New York

Rich, Alan Brewster, Jr.
Portland, Maine

Roberts, Dirk Stanley
New York, New York

Rosenbaum, Robert Leonard
Mount Vernon, New York

Rosenthal, Edward Scott
Tenafly, New Jersey

Ross, Thomas Fredrick
Princeton, New Jersey

Roth, Charles Peterson
New York, New York

Russo, Mark Louis
Deerfield, Massachusetts

Ryan, Stephen David Patrick, III
Locust Valley, New York

Ryans, Albert
Dorchester, Massachusetts

Sailor, Richard Vance
East Patchogue, New York

Saladino, Angelo Henry
Utica, New York

Salerni, Paul Frank
New Britain, Connecticut

Samela, Leonard Vincent
Waterbury, Connecticut

Sampson, George William
Norwich, Vermont

Sarsynski, Michael Paul, Jr.
Hadley, Massachusetts

Scheer, Peter Edward
Poughkeepsie, New York

Scheinman, Steven Jay
Woodbourne, New York

Schneider, Bryan Marshall
Georgetown, South Carolina

Schneider, Frederick William
Yonkers, New York

Schneider, Paul Robert
Tucson, Arizona

Schoepfer, Stephen Edward
Wellesley Hills, Massachusetts

Scholten, James Roger
Wayland, Massachusetts

Scott, Andrew Ross, Jr.
Sherborn, Massachusetts

Shay, Arthur George
Orange, New Jersey

Shepard, Thomas Rockwell, III
Greenwich, Connecticut

Shuck, John DeWitt
Minneapolis, Minnesota

Shulman, George Mark
Mountainside, New Jersey

Simpson, Thomas Braddock, III
New Canaan, Connecticut

Skeele, John Franklin
New Canaan, Connecticut

Sklover, Alan Lawrence
Malverne, New York

Smith, Jeremiah Elijah
LaGrange, Georgia

Smith, Stephen Slade
Rochester, New York

Soong, Arthur Jee-Chung
New York, New York

Sosnow, Peter Lewis
Freeport, New York

Springer, Allen Lawrence
Geneva, New York

Squire, Jeffrey Harold
Levittown, Pennsylvania

Starkman, Michael Bruce
East Meadow, New York

Stern, Chester Jay
Denver, Colorado

Stisser, Robert Gridley
Riverside, Connecticut

Straub, Kenneth Marshall
APO San Francisco, California

Stringer, John Arbuthnott
Darien, Connecticut

Swann, John Thomas
Knoxville, Tennessee

Swanson, Jay Williams
Orchard Park, New York

Taft, Millens Walter, III
East Longmeadow, Massachusetts

Tallow, Matthew Alan
West Hartford, Connecticut

Tarnoff, John Brooks
Greenwich, Connecticut

Tasch, Edward Bennett
Stamford, Connecticut

Thaler, Malcolm Stuart
Poughkeepsie, New York

Theismann, John August
Mayville, New York

Tinker, David Duncan
Easton, Maryland

Tonino, Richard Philip
West Hartford, Connecticut

Troll, Mark Andrew
Brooklyn, New York

Trueheart, Charles
Maxwell A.F.B., Alabama

Unfug, Charles Stephen
Fort Collins, Colorado

Veeder, Thomas Gordon
Princeton, New Jersey

Waller, Donald Macgregor
Indianapolis, Indiana

Ware, David Keith
Manchester, Connecticut

Webb, Alexander Henderson
New York, New York

Wetrich, William Wallace
Claremont, California

Wheeler, William Scott
Darien, Connecticut

Whittenberger, Brock Poston
Grand Rapids, Michigan

Whyte, Eric Henry Archibald
Andover, Massachusetts

Widmer, James Edward
Wayne, Pennsylvania

Wilbur, Nathan Lord
Middletown, Connecticut

Williams, Andre Martin
Trenton, New Jersey

Williams, Jerre Stockton, Jr.
Austin, Texas

Wilson, Robert Milton, Jr.
Hartford, Connecticut

Wingo, Anthony Kevin
Washington, D.C.

Winkler, Peter David
Bethesda, Maryland

Winslow, David, Jr.
Tiburon, California

Wojcik, David Albin
Ware, Massachusetts

Wolf, Leslie Eric
Shaker Heights, Ohio

Wolff, Richard Arnold
Winnetka, Illinois

Wolpaw, Daniel Rick
Shaker Heights, Ohio

Woolverton, William Henderson, III
East Norwich, New York

Wooten, William Daniel, Jr.
Lynchburg, Virginia

Wright, Charles Edward
Villanova, Pennsylvania

Wyman, James Nayler
Amherst, Massachusetts

Yock, Paul Gordon
St. Louis Park, Minnesota

Young, Elmer Lorne
Harrison, New York

Zaret, David Raphael
Great Neck, New York

Zickel, Mark Henry
Santurce, Puerto Rico

Zink, Paul Alexander
Marblehead, Massachusetts

Zurkow, Jeffrey Leaf
Dover, Delaware

Sophomores   Class of 1974

Abbey, David Sterling
Chappaqua, New York

Abbondanza, Richard Joseph
Haverhill, Massachusetts

Abraham, Edward
Scottsdale, Arizona

Ammons, Richard Allen
Springfield Gardens, New York

Angiolillo, Bruce Domenick
Roslyn Harbor, New York

Antonucci, Paul Robert Angelo
Windsor, Connecticut

Bailey, Ronald Edward
Hampton, Virginia

Bancroft, Peter Ernest
Kennebunkport, Maine

Bandas, Mark David
Paxton, Massachusetts

Barton, James Clifton, Jr.
Birmingham, Alabama

Barton, William Thomas
Summit, New Jersey

Belcher, Stephen Paterson, IV
Washington, D.C.

Benko, Ralph J.
Albany, New York

Bennett, Ralph Edward
Greenwich, Connecticut

Bennison, John Brice
Eastham, Massachusetts

Berns, Mitchell
Ossining, New York

Blistein, David Schaffer
Providence, Rhode Island

Boatner, Samuel
Chicago, Illinois

Bonanno, Joseph Anthony James
Tenafly, New Jersey

Bonica, John Richard
North Bergen, New Jersey

Bosworth, Robert Everett
Brockville, Connecticut

Brawley, Peter Edward
Stratford, Connecticut

Brennecke, Thomas Raymond
Marshalltown, Iowa

Bristol, Frederick Adams, III
Orchard Park, New York

Bruno, Thomas Joseph, II
Philadelphia, Pennsylvania

Bryant, Stephen Chandler
Winchester, Massachusetts

Buscaglia, John William
Buffalo, New York

Buttolph, John Earl
Hewlett, New York

Cardwell, Michael Earl
Lynchburg, Virginia

Carol, Mark Philip
Mamaroneck, New York

Carpenter, Stephen Russell
Bethesda, Maryland

Carr, Robert Vose
Manchester, Massachusetts

Casey, Paul Christopher Patrick
Milford, Connecticut

Champagne, Oliver William Robert, Jr.
Paris, France

Chenault, Stephan Charles
Hempstead, New York

Cheung, Wang Kong
Hong Kong

Cleaver, Richard Grinnell
Grinnell, Iowa

Coates, Norman Francis, Jr.
Worcester, Massachusetts

Cohen, Robert Maynard
Chevy Chase, Maryland

Collins, Robert Deaver, Jr.
Nashville, Tennessee

Conley, Christopher Redifer
Manchester, Massachusetts

Considine, Michael John Robert
Torrington, Connecticut

Cooke, William Owen, Jr.
Greensboro, North Carolina

Cooper, John Niessink, II
Kalamazoo, Michigan

Cornell, Paul Vance
County Waterford, Ireland

Cottrel, Christopher Rockwell
West Chester, Pennsylvania

Couch, Reese Francis
Philadelphia, Pennsylvania

Crossland, Fred Eugene, Jr.
Montvale, New Jersey

Crowe, Joseph Patrick, Jr.
Shaker Heights, Ohio

Cruikshank, Jeffrey Lloyd
Maplewood, New Jersey

Cummings, Floyd, Jr.
Aiken, South Carolina

Cummings, George Edward
South Boston, Massachusetts

Dangremond, David William
Seneca Falls, New York

Dash, George Bertram
Wyncote, Pennsylvania

Davis, Charles Talcott, II
Bloomfield, Connecticut

Davis, Howard Zeleg
Broomall, Pennsylvania

Dean, Robert Maitland
North Scituate, Rhode Island

DeBragga, Richard Paul
Islip, New York

Doherty, Adrian Walter, Jr.
Short Hills, New Jersey

Donaldson, Charles Walter, Jr.
Huntsville, Alabama

Donati, Gianni Corso
Williamstown, Massachusetts

Doolittle, William David
Radnor, Pennsylvania

Dorfsman, Neil Eric
Great Neck, New York

Dorsey, James Willis
Philadelphia, Pennsylvania

Douglass, David Latham
Marblehead, Massachusetts

Dowling, Mark Woods
Wilton, Connecticut

Dube, David Harvey
DeWitt, New York

Duff, Craig Norman
Cincinnati, Ohio

Dumont, Gabriel Oliver, Jr.
Skowhegan, Maine

Durgin, Reginald Lee
Yarmouth, Maine

Duvall, Mark Nichol
Alexandria, Virginia

Eakland, Henry Nordling
La Canada, California

Echelbarger, Lindsey Leo Robinson
Lynnwood, Washington

Eichen, Glenn Neal
Hollis, New York

Eley, Thomas Wendell
Milwaukee, Wisconsin

Ellen, Kenneth James
Evanston, Illinois

Elovitz, Gerald Paul
York, Pennsylvania

Epstein, Daniel Mark
Philadelphia, Pennsylvania

Farrell, Glenn Michael
Woodland Hills, California

Feldman, Robert Young
Hayward, California

Ferm, William Nelson
South Hadley, Massachusetts

Fitts, Frederic Perry
Potomac, Maryland

Foliart, Danford Wilson
Oklahoma City, Oklahoma

Fort, Andrew Osmun
Plainfield, New Jersey

Francis, Henry Lloyd, Jr.
Waterbury, Connecticut

Franklin, Kenneth William
Westbury, New York

Freeman, Peter Crosby
Lake Bluff, Illinois

Frew, Scott Little
Woodbury, Connecticut

Frost, Anthony deWitt
Fairfield, Connecticut

Furbush, Craig Marland
South Portland, Maine

Ginn, William James
Shaker Heights, Ohio

Glista, Mark
Centerville, Massachusetts

Glover, Kenneth Elijah
North Englewood, Maryland

Goldberg, Charles Stephen
Forest Hills, New York

Golden, Jeffrey Stephen
Fayetteville, New York

Goldring, Louis Mark
Jackson, Michigan

Goldshein, Mark Gilbert
New York, New York

Goodman, Jeffrey Howard
Portland, Maine

Gordon, Andrew Kenley
Bloomfield Hills, Michigan

Gordon, Eric Rodney
Winston-Salem, North Carolina

Gordon, Frank Stephen
Bethesda, Maryland

Gordon, Michael
Beachwood, Ohio

Goulston, Richard Bruce
Brookline, Massachusetts

Gowdy, David Philip Wayne
Scotch Plains, New Jersey

Graves, William James
Barnet, Vermont

Greene, William Ellery, III
Bronxville, New York

Guild, Peter Bradford
Augusta, Maine

Ha, Cuong Quoc
Saigon, Vietnam

Hackett, David Gray
Ann Arbor, Michigan

Hall, Mark Lloyd
Potomac, Maryland

Hankin, Christopher Gallup
Potomac, Maryland

Harris, Nicholas Bennett
New York, New York

Hart, George William, III
Pueblo, Colorado

Harvey, David Stimson
Washington, D.C.

Hay, Joel Walker
Portland, Oregon

Healy, William Lawrence, III
Needham, Massachusetts

Hickey, Thomás Richard, Jr.
Westport, Connecticut

Hinckley, Stephen Mark
Hardwick, Massachusetts

Hoke, Martin Rossiter
Lorain, Ohio

Hollister, John Baker, III
Gates Mills, Ohio

Holt, Christopher Evan
Baldwinsville, New York

Hottensen, Robert Garner, Jr.
Milwaukee, Wisconsin

Howard, Donald James
Manhassett, New York

Howarth, Robert Warren
Durham, New Hampshire

Inglis, Alan
Shaker Heights, Ohio

Ives, Harlem Russell
Birmingham, Michigan

Johnson, Daniel Cameron
Rumford, Maine

Johnson, Walter Carroll
White Plains, New York

Johnston, Thomas Cole
Flossmoor, Illinois

Kahn, Michael Andrew
University City, Missouri

Kaminer, Stevenson Scott
New York, New York

Keevil, Charles Samuel, III
Lincoln, Massachusetts

Kimberly, David Robinson
New Haven, Connecticut

Kirkpatrick, Brett Turnley
Nashville, Tennessee

Kirschbaum, Thomas Avrom
Belvedere, California

Klancnik, Thomas Evans
Park Ridge, Illinois

Klonoski, Richard Francis
Bristol, Connecticut

Kramer, Harvey Merrill
Margate, New Jersey

Krushel, Kenneth Joseph
Rosyln Heights, New York

Lacher, David
Syracuse, New York

Laff, Kenneth Martin
Englewood, Colorado

Landau, Robert Walter
Washington, D.C.

Landman, Jonathan Isaac
New York, New York

LaPointe, Paul Reggie
Milwaukee, Wisconsin

Larson, Dana Linder
St. Louis Park, Minnesota

Lawrence, Andrew Charles
Chevy Chase, Maryland

Leach, Thomas Raeside, Jr.
St. Albans, New York

Leggett, James Everett, Jr.
Lexington, Kentucky

Leslie, Kenneth Donald
Peekskill, New York

Levy, Martin William
Teaneck, New Jersey

Linden, Christopher Harold
Danvers, Massachusetts

Lipton, Richard Mark
Youngstown, Ohio

London, Mark Scott
New York, New York

Long, David Fullerton
Swarthmore, Pennsylvania

Long, Michael Paul
Spring Valley, New York

Longley, Jonathan Raymond Wayne
Springfield, Massachusetts

Lopez, Floyd William
Albuquerque, New Mexico

Lorch, Robert Frederick, Jr.
West Hartford, Connecticut

Lowe, Stephen Russell
Wellesley Hills, Massachusetts

MacLachlan, David Campbell
Erie, Pennsylvania

MacLeod, Michael Brian
Amherst, Massachusetts

Magdaleno, Thomas
Los Angeles, California

Malone, William Eugene
Forest Park, Illinois

Mangini, Mark
Darien, Connecticut

Manker, Charles Forrest
Chicago, Illinois

Manly, Marc Edward
Kokomo, Indiana

Manstein, Mark Eric
Rydal, Pennsylvania

Marshall, Lawrence William
Leominster, Massachusetts

Mastronarde, David Nicholas
Hartford, Connecticut

McArthur, Mark Anthony
Chicago, Illinois

McDermott, Brian Emerson
Manhasset, New York

McGuire, Michael Robert
Owatonna, Minnesota

McMahon, William Coulson, Jr.
Plandome, New York

Meader, Dwight Derek
Tarrytown, New York

Medley, Terry Lonzo
Nokesville, Virginia

Meer, David Mendel
Mount Vernon, New York

Messenger, John Barss
Larchmont, New York

Metz, John Robert, Jr.
Syracuse, New York

Michelson, Edward Barry
West Roxbury, Massachusetts

Miles, Louis Russell
Helena, Montana

Miota, Randolph Hideo
Honolulu, Hawaii

Mondschein, Jeffrey Marc
Monsey, New York

Moran, Michael Joseph
Wallingford, Pennsylvania

Moriarty, David Michael
Oxford, Massachusetts

Mount, Keith Alden
Warren, New Jersey

Murphy, John Cullen, Jr.
Cos Cob, Connecticut

Nadworny, Howard Alan
Burlington, Vermont

Nazar, Michael David
Branford, Connecticut

Nizin, Joel Scott
New York, New York

Notopoulos, Alexander Anastasios, Jr.
Hollidaysburg, Pennsylvania

Noyes, Duncan Lowell
Amesbury, Massachusetts

Nunn, Jeffrey Allen
Weston, Connecticut

Nussbaum, Mark Stephen
West Hartford, Connecticut

O'Brien, Kevin John
Enfield, Connecticut

O'Kell, David Charles
Toronto, Ontario, Canada

O'Neill, Thomas Robert
Rochester, New York

Ogilvie, William Mark
St. Louis, Missouri

Orlik, Randy Phillip
Dallas, Texas

Orozco, Edmundo Jose
Carlsbad, New Mexico

Osborn, Jeffrey Lynn
Sturgis, Michigan

Ostner, Steven Mark
Valley Stream, New York

Owens, Edward Octy
Ann Arbor, Michigan

Owens, Thomas Lyon
Wayzata, Minnesota

Papandreou, George Andreas
King City, Ontario, Canada

Parker, Phillip Noyes
New Canaan, Connecticut

Perkins, John Earl, III
Baton Rouge, Louisiana

Pierce, Michael Jerome
Columbus, Georgia

Polevoi, Lee Nathan
South Euclid, Ohio

Poliakoff, Steven Jon
Merchantville, New Jersey

Powell, William John, III
Industry, Pennsylvania

Pultz, John Francisco
Memphis, Tennessee

Purdy, Marshall Bartlett
Philadelphia, Pennsylvania

Quinn, Thomas Edward
West Hartford, Connecticut

Rafferty, Michael Paul
East Longmeadow, Massachusetts

Rasmussen, John Arnold Vincent
Ansonia, Connecticut

Rayment, David William
Hyannis, Massachusetts

Reeves, James Frederick
Guilderland, New York

Reichard, Theodore Carl, Jr.
Noank, Connecticut

Reichstein, Robert Paul
Chicago, Illinois

Richards, Douglas Gordon
Chatham, New Jersey

Riklin, Scott Frederick
Rye, New York

Ritter, Thomas Drummond
Hartford, Connecticut

Roca, Juan Xavier
Calle Villa, Ponce, Puerto Rico

Rock, Joseph William
Shaker Heights, Ohio

Rogawski, Michael Andrew
Los Angeles, California

Rollins, Barrett Jon
Shaker Heights, Ohio

Roose, Thomas Dewey
Terrace Park, Ohio

Rosenfield, Harvey Jay
Randolph, Massachusetts

Rubendall, Robert Lee, Jr.
Halifax, Pennsylvania

Rumpler, Thomas Stuart
Cincinnati, Ohio

Ruotolo, Andrew Keogh, Jr.
Westfield, New Jersey

Salem, Robert Joseph
North Brookfield, Massachusetts

Samaras, Andonis Constantine
Athens, Greece

Sands, Robert Andrew
Albany, New York

Satran, David
Hicksville, New York

Sawyer, Jeffrey McCullough
Pittsford, New York

Scheff, Jonathan Herbert
Newton Centre, Massachusetts

Schillo, John Morey
Towson, Maryland

Schissel, Donald John, Jr.
Des Moines, Iowa

Schlesinger, Peter Alan
Great Neck, New York

Schnitker, John Peter
Toledo, Ohio

Schwab, Paul Edward, III
Bethesda, Maryland

Scott, Freddie Lee
Pine Bluff, Arkansas

Scott, Richard Paul
North Merrick, New York

Scroggins, Stephen Rayburn
Milwaukee, Wisconsin

Selinger, Joseph Jerome, Jr.
Wilton, Connecticut

Semlear, Robert Dwight
Sag Harbor, New York

Senft, Stephen Lamont
Providence, Rhode Island

Severni, William Justin
Avon, Connecticut

Shaw, Casper
New York, New York

Shaw, Joshua Hamblen
Tacoma, Washington

Shipper, Edward Stanley, Jr.
Florence, Alabama

Shortt, Bruce Nevin
Federal Way, Washington

Silberstein, Peter Todd
Larchmont, New York

Sils, Peter
Concord, Massachusetts

Simmons, Peter Alan
Winchester, Massachusetts

Sims, Peter Jay
New Rochelle, New York

Skeele, Charles Richardson
New Canaan, Connecticut

Skove, Thomas Malcolm, Jr.
Shaker Heights, Ohio

Skovgaard, Robert Alan
Stamford, Connecticut

Smilow, David H
South Orange, New Jersey

Soliday, David Shriver, III
Litchfield, Connecticut

Sommer, Philippe Lazare Felix
New York, New York

Soyster, Thomas William
Tenafly, New Jersey

Spiegel, Ladd
Silver Spring, Maryland

Spivack, Eric D.
New York, New York

Springer, Martin Ferdinand Bligh
Northfield, Illinois

Stein, Robert
Highland Park, Illinois

Steinbrook, Robert Louis
Wynnewood, Pennsylvania

238

Sullivan, Neil
  Bloomfield Hills, Michigan

Tanner, Richard Dean
  Palo Alto, California

Tariot, Pierre Nelson
  Weston, Massachusetts

Taylor, William Thomson
  Wyncote, Pennsylvania

Thayer, Lucius Harrison, III
  Chestnut Hill, Massachusetts

Theye, Thomas Albert
  Rochester, Minnesota

Thomas, Edward Arthur, Jr.
  North Haven, Connecticut

Thomas, Glenn Ellwood
  Louisville, Kentucky

Thomson, Richard Thomas
  Excelsior, Minnesota

Tietjen, Richard Doremus, Jr.
  Old Saybrook, Connecticut

Torch, Christopher Carl
  Mayfield Heights, Ohio

Toth, Christopher Keats
  St. David's, Pennsylvania

Trageser, Charles Stewart
  Wayland, Massachusetts

Trautmann, Charles Home
  Islesboro, Maine

Tredici, Tomas
  San Antonio, Texas

Tshibangu, Raphael
  Panda, R.D., Congo

Tuck, Andrew Philip
  Scarsdale, New York

Turner, James Earl
  Calumet City, Illinois

Van Essen, Thomas
  Westport, Connecticut

Vayer, Marshall Scott
  Longmeadow, Massachusetts

Velleman, James David
  Port Washington, New York

Villafane, Rafael Luis
  Mexico City, Mexico

Waddell, William Stewart, Jr.
  Wilton, Connecticut

Wahlers, John Ludwig
  Sandusky, Ohio

Warren, James Cassel
  New York, New York

Washington, Kenneth Lamont
  New York, New York

Washington, Michael Edward
  East Cleveland, Ohio

Watts, William Wadsworth, III
  Glencoe, Illinois

Weaver, William Frederick
  Shelton, Connecticut

Webb, Peter Gallett
  Remsenburg, New York

Webber, Peter Colbourne
  Great Barrington, Massachusetts

Weber, Douglas Ely
  Wheaton, Illinois

Weisman, Geoffrey Dean
  Plainview, New York

Werner, David William
  Pittsburgh, Pennsylvania

Whalen, Richard Mark
  North Branford, Connecticut

Whitehead, James Fraser
  Syracuse, New York

Wicks, John Oliver, III
  Pittsburgh, Pennsylvania

Wieder, Robert Kelman
  Wethersfield, Connecticut

Wilcoxon, Hardy Culver, Jr.
  Nashville, Tennessee

Williams, Norman Joseph
  Chicago, Illinois

Williams, Roy Christopher
  Stockbridge, Massachusetts

Wiltsie, Gordon Hastings
  Bishop, California

Winslow, Christopher
  Tiburon, California

Winslow, Dalton Smith
  Caribou, Maine

Winterling, Paul Joseph Michael
  Baltimore, Maryland

Wissow, Lawrence Sagin
  North Plainfield, New Jersey

Wourms, Richard Leo
  Houston, Texas

Wrage, Stephen Douglas
  Carlisle, Massachusetts

Wynn, Ronald Jefferson
Knoxville, Tennessee

Freshmen   Class of 1975

Abrahamson, Kip Loring
Minneapolis, Minnesota

Abramson, Stephen Nathaniel Jr.
St. Albans, New York

Adams, Michael MacDonell
Jacksonville, Florida

Aldridge, David Franklin
Clinton, New York

Alexander, David Nelsen
Hibbing, Minnesota

Alfvin, Peter Wesley
Glenview, Illinois

Allen, James Roy II
New York, New York

Amsterdam, James Todd
Bala Cynwyd, Pennsylvania

Anderson, David Allen
Norfolk, Virginia

Ayres, Thomas Jordan
Metuchen, New Jersey

Balaban, David Neil
North Bellmore, New York

Balder, Andrew H.
Merion Station, Pennsylvania

Balzotti, James Don
East Boston, Massachusetts

Barnett, James Richardson
Dobbs Ferry, New York

Bartels, Stephen James
Weston, Massachusetts

Bates, Jonathan Hartley
New Canaan, Connecticut

Bauer, Bernard David
Brooklyn, New York

Beatty, Roger Banks
Darien, Connecticut

Benedict, Charles Chauncey II
Williamstown, Massachusetts

Berk, Bradford Charles
Rochester, New York

Berl, Charles Spinola Waggaman III
Wilmington, Delaware

Berman, Charles Henry
Hamden, Connecticut

Berry, George Thomas Jr.
Rye, New Hampshire

Bonsall, David Alan
Houston, Texas

Bressett, John David
Hanover, New Hampshire

Brigham, Robert Hoover
West Chester, Pennsylvania

Broadhead, William Almet II
Jamestown, New York

Brooks, Laurence Oakley
Bedford Hills, New York

Brown, Steven Kevin
New Rochelle, New York

Burns, Joseph Kevin Paul
Milford, Connecticut

Caldwell, David Manchester III
Manchester, Connecticut

Carver, Robert Howard
Marblehead, Massachusetts

Chmiel, Michael Alan
Minneapolis, Minnesota

Chu, James Sze-wah
Tokyo, Japan

Chu, Raymond Wai-Ming
Brooklyn, New York

Clark, Charles Howell Jr.
Washington, D.C.

Clark, Stephen Lewis
Bloomfield, Connecticut

Clary, Richard Wayland
St. Paul, Minnesota

Clopeck, Jeffrey Arnold
Framingham, Massachusetts

Cobb, Lincoln Cranston
Dallas, Texas

Cockley, Matthew
Mansfield, Ohio

Cohen, Matthew
Southampton, Pennsylvania

Coker, David Carlyle
Alexandria, Virginia

Cole, Jonathan Jay
New York, New York

Collins, Tucker Otis
Bay Village, Ohio

Conger, Robert Frederick
Summit, New Jersey

Conway, Stephen Robert
West Hartford, Connecticut

Cox, William Ruffin III
New Hartford, New York

Coy, Roger Elliot
Mt. Vernon, New York

Cramer, Bruce Thomas
Noank, Connecticut

Crary, Horace Ingraham Jr.
New Canaan, Connecticut

Crary, Miner Allen
Huntington, New York

Crease, Robert Poole Jr.
Chagrin Falls, Ohio

Davis, Charles Walker
Warren, Pennsylvania

Davis, Jonathan Tyler
Stamford, Connecticut

DeBevoise, Malcolm Bush
Montclair, New Jersey

de la Rama, Jesse III
Bronx, New York

Dee, John Clark
St. Louis, Missouri

Dodds, George Matthew
Edwards, New York

Dow, Gregory Keith
Seekonk, Massachusetts

Doyle, John Justin Jr.
Rye Beach, New Hampshire

Dozier, Christopher Cutler
St. Paul, Minnesota

Duff, Charles Blake Jr.
Baltimore, Maryland

Dumaine, Brian Henry
Hampton, New Hampshire

Dunbar, David Stuart
Exeter, New Hampshire

Dunn, Herman Lee
Washington, D.C.

Dunn, William Michael
Holyoke, Massachusetts

Dykens, Jeffrey Scott
Concord, New Hampshire

Eastburn, Stephen Frazier
Doylestown, Pennsylvania

Edlund, Matthew Jonathan
Great Neck, New York

Edmonston, John McCombie
Pasadena, California

Ellis, Frank Plunkett IV
Mobile, Alabama

Elson, Mark Andrew
Brookfield, Wisconsin

Fairley, Peter Rush
Bennington, Vermont

Feder, Robert Todd
St. Paul, Minnesota

Fenson, Eitan Moshe
Brooklyn, New York

Ferguson, David William
Orchard Park, New York

Fisher, William Weston III
Granby, Connecticut

Fishman, Henry James
Cheshire, Connecticut

Fitzgerald, Michael Thomas
Needham, Massachusetts

Foldes, Peter John
Lafayette Hill, Pennsylvania

Fotiades, George Louis
Naperville, Illinois

Fox, Peter Anderson
Darien, Connecticut

French, John David
Rochester, New York

Garcia, Gilberto Leal
Corpus Christi, Texas

Gargano, Peter Joseph
Wakefield, Massachusetts

Garrett, Mitchel Owen
Roslyn, New York

Gartner, Richard Charles Sebastian
Lancaster, Pennsylvania

Gassaway, Laurence Jr.
Brooklyn, New York

Gendelman, Phillip Michael
Amherst, Massachusetts

Gerfen, Charles Richard
St. Louis, Missouri

Gewehr, Bradley Charles
Windsor, Connecticut

Gibralter, Robert Steven
Westbury, New York

Gilbert, David Arthur
Bel Air, Maryland

Gintoff, Gregory Brown
Fairfield, Connecticut

Glaser, Peter Stuart
Roslyn Heights, New York

Glick, Kenneth Warren
West Orange, New Jersey

Gold, Laurence Edward
White Plains, New York

Graham, Michael John
Winnetka, Illinois

Granahan, Richard Braye
Waterford, Connecticut

Greenwald, David
New Rochelle, New York

Greggs, Gilbert Allen Jr.
Dundalk, Maryland

Griffin, Stephen Robert
Waterbury, Connecticut

Griggs, Benjamin Glyde III
St. Paul, Minnesota

Hamilton, Peter Francis
Drexel Hill, Pennsylvania

Hammer, Jonathan Edward
New York, New York

Hanley, Christopher Sanger
Upper Montclair, New Jersey

Harden, Glenn Richard
Washington, D.C.

Harmon, Mark Edward Patrick
Cochituate, Massachusetts

Harper, Gregory William
Paris, France

Harriman, John Howland Jr.
Los Angeles, California

Hart, Avery Scott
Tenafly, New Jersey

Hartman, Keith Warren
Ithaca, New York

Haskell, Grant Pickens
Westport, Connecticut

Hawkins, John Bruce
Charlottesville, Virginia

Heath, Robert Galbraith Jr.
New Orleans, Louisiana

Hendrix, Derrell Jerome
Pease A.F.B., New Hampshire

Henschel, Adam Steven
Princeton, New Jersey

Hermann, Richard James
Stamford, Connecticut

Heske, Edward Joseph Peter
Sturbridge, Massachusetts

Hines, James Henry Jr.
Baltimore, Maryland

Hixon, David Dillon
Andover, Massachusetts

Holmes, Carl Bernard Jr.
Brooklyn, New York

Holmes, Charles Stanford
Fall River, Massachusetts

Hooper, Thomas Harrison III
Winston-Salem, North Carolina

Horan, Brien Joseph Purcell
West Hartford, Connecticut

Horan, Paul Michael
Worcester, Massachusetts

Horstkotte, Don Arner
Schenectady, New York

Hudak, Mark Lawrence Peter
West Hartford, Connecticut

Huey, David Robert
Geneseo, New York

Hughes, Phillip Alan
Los Angeles, California

Hunter, Peter Clark
Gibsonia, Pennsylvania

Hunter, Thomas Alexander IV
Westport, Connecticut

Jaskulski, Derek Cichon
Pelham, New York

Jelavich, Peter Charles
Bloomington, Indiana

Jenkins, Everett Wilbur Jr.
Victorville, California

Johnson, Paul Converse
Wilbraham, Massachusetts

Jonas, Jeffrey Martin
Valley Stream, New York

Jones, James Irvin Jr.
Brooklyn, New York

Jordan, Mark Conrad
Hilton Head Island, South Carolina

Kayler, Kyle Lee
Evergreen, Colorado

Kennedy, James Matson
Watertown, New York

Ketcham, William Lincoln
Wilton, Connecticut

Kirkpatrick, John David
Greenwich, Connecticut

Kirkwood, Robert Charles
Thornwood, New York

Kitts, Willard Frederick Jr.
Albuquerque, New Mexico

Kleiner, Stuart
Cleveland Heights, Ohio

Kolisch, Edward Pierre
Portland, Oregon

Konolige, Kurt George Dominic
Flushing, New York

Koppel, William Lee
New Rochelle, New York

Kopper, John Matthias Jr.
Baltimore, Maryland

Kos, Richard Joseph Francis
Chicopee Falls, Mass.

Kraft, Thomas Kevin
Bethlehem, Pennsylvania

Kramer, Sanford Neal
Baltimore, Maryland

Kretchmer, John Ted
Winnetka, Illinois

Lerner, Gary Nevil
Rego Park, New York

Leslie, Richard Raymond
Ashburnham, Massachusetts

Levine, Matthew Ivan
Mt. Kisco, New York

Lindberg, Brent Robert
Chesterfield, Missouri

Lipsick, Joseph Steven
Sharon, Pennsylvania

Lister, Craig Joseph
Avon, Connecticut

Lopez, Raul Antonio
Kensington, Connecticut

Lu, Thomas Samuel
Brookline, Massachusetts

Lund, Mark Kennedy
Sao Paulo, Brazil

Lurie, Robert Stix
Cincinnati, Ohio

Lynch, Desmond Sherman Shaw
West Hempstead, New York

MacDonell, Alan Russell
Pittsburgh, Pennsylvania

MacIntyre, Richard Joseph
Greenville, Delaware

Macioce, John Peter
Stamford, Connecticut

Mack, Jonathan Harold
New York, New York

Madden, John Francis
New Britain, Connecticut

Magnell, Thomas Alfred
Scarsdale, New York

Magoon, William John
Rochester, Michigan

Major, Richard Robinson II
West Acton, Massachusetts

Maloff, Peter C.
Queens Village, New York

Mann, Andrew David
Albany, New York

Mansuy, Francis Patrick II
Villanova, Pennsylvania

Manuelides, Stephen Eugene
Athens, Greece

Marcus, Lee Evan
Miami, Florida

Marsh, James Lawrence Jr.
Fairmont Park, Maryland

Martin, Hunter Lenon III
Houston, Texas

Martin, Wallace Ford
Lawrenceville, Georgia

Mayer, Lester Reinhard III
Philadelphia, Pennsylvania

Mazzara, Robert Stuart William
Bethpage, New York

McCartney, Robert James
Westmoreland Hills, Maryland

McCatty, Edward Sommerville
Brooklyn, New York

McDowell, William Hunter II
Paoli, Pennsylvania

McGhie, James Keith III
White Plains, New York

McNeish, Douglas Stevenson
Wellesley Hills, Massachusetts

Merritt, Haines Rennyson III
East Aurora, New York

Metcalf, Gilbert Elliott
Watertown, New York

Milch, David Mark
Lawrence, New York

Miller, Lawrence Jay
Valley Stream, New York

Miller, Ralph David
Winnetka, Illinois

Millikin, Michael David
Columbus, Ohio

Minicucci, Robert Arnold Thomas
Waterbury, Connecticut

Monheim, Charles William
Pittsburgh, Pennsylvania

Monroe, John Howard Jr.
Winston-Salem, North Carolina

Moorefield, James Stewart
West Boylston, Massachusetts

Mooty, David Nelson
Edina, Minnesota

Morrissey, Christopher Charles
Maynard, Massachusetts

Mulligan, Edward Bowman IV
State College, Pennsylvania

Mulroy, Thomas Hannan Jerome
Camp Hill, Pennsylvania

Murphy, Daniel Vincent
University Heights, Ohio

Nagy, David Sandor
Alexandria, Virginia

Nash, Lawrence David
Arlington, Virginia

Neel, Edgar Loewe
Merion Station, Pennsylvania

Newman, Lee Scott
Westfield, New Jersey

Newton, James White
Sudbury, Massachusetts

Nicholson, Craig Claverie
Clayton, Missouri

Noble, Stafford Carter
Columbus, Ohio

Norrick, Bradley R
Clark's Summit, Pennsylvania

O'Donnell, John Eliot
Norwood, Massachusetts

Ojserkis, Bennett Edward
Margate, New Jersey

Oliver, Harold Eugene Jr.
Albany, Georgia

Orlik, Daniel Andrew
Ludlow, Massachusetts

Osman, Richard Michael
Scarsdale, New York

Oxholm, Carl III
Saint David's, Pennsylvania

Patsner, Bruce
West Nyack, New York

Pearson, Jerold Edward
Stamford, Connecticut

Peck, John Harold Jr.
Hamden, Connecticut

Perniciaro, Stephen
Chester, Vermont

Phillips, Jeffrey Mark
Brighton, Massachusetts

Porter, Frederick Stanton
Chagrin Falls, Ohio

Poukish, Gary Philip
Saratoga Springs, New York

Powers, Robert David
Westport, Connecticut

Randall, Donn Alexander
Boston, Massachusetts

Ratliff, William Thomas III
Birmingham, Alabama

Rauch, Steven Douglas
Amherst, Massachusetts

Rawson, William Knox
South Bend, Indiana

Reddig, Michael Steven
Grand Rapids, Michigan

Reid, Michael William
Madison, New Jersey

Reif, Henry Jay
Brooklyn, New York

Reilly, John Richard Jr.
Bethesda, Maryland

Reindel, Frederick William III
Wayzata, Minnesota

Reinhardsen, James Sevren
Pound Ridge, New York

Reinus, William Ralph
New York, New York

Remelmeyer, Eric Scott
Redondo Beach, California

Reynolds, Stephen Paul
Fairview Park, Ohio

Roberts, Stephen
Amherst, Massachusetts

Rodriguez, Robin Cordell
Ossining, New York

Roelofs, Kemp Owyne
Gambier, Ohio

Roin, Howard James
Winnetka, Illinois

Rose, Howard Kagan
East Hartford, Connecticut

Rountree, Robert Collins
High Point, North Carolina

Rouse, Stephen Michael
Trenton, New Jersey

Russell, Robert Henry III
South Hadley, Massachusetts

Ryan, Richard Robert
Derby, Connecticut

Sachar, Jerome David
Clayton, Missouri

Salzman, Jeffrey Hamilton
Darien, Connecticut

Sambor, Michael James
Wilbraham, Massachusetts

Santos, Thomas John Jr.
Melrose, Massachusetts

Schoening, Jeffrey Davis
South Dartmouth, Massachusetts

Schwartz, Eric
Pound Ridge, New York

Seaver, Robert Edward
Lawrence, Kansas

Shea, Richard Crate
Arlington, Virginia

Sheibley, Thomas Robert
Bridgewater, Massachusetts

Sidell, David Lincoln Balise
West Hartford, Connecticut

Silbert, Edward Fox
Marblehead, Massachusetts

Silsbee, Douglas Wheeler
Ithaca, New York

Sirkin, David Winsor
New York, New York

Skowron, Robert Andrew
Pittsfield, Massachusetts

Smalls, Charles Augustus Jr.
Brooklyn, New York

Smith, Jeffrey Thornton
Plandome, New York

Smith, John Charles W.
Sudbury, Massachusetts

Smith, Lincoln
Cohasset, Massachusetts

Sonnenschein, Eric Jay
Arlington County, Virginia

Soojian, Michael Matthew
Upper Saddle River, New Jersey

Souza, William David
Cotuit, Massachusetts

Spaulding, Barry Cole
Potomac, Maryland

Speck, Paul Gregory
Harrisonburg, Virginia

Sperling, Frederick Jay
Wyncote, Pennsylvania

Spiegel, John
Vienna, Virginia

Stadler, Marc Edward
Urbana, Ohio

Staffin, Elliott Bruce
Washington, D.C.

Stahl, Kenneth David
Ossining, New York

Steere, Daniel Edwards
Matunuck, Rhode Island

Stewart, Robert Cecil
Tuscaloosa, Alabama

Stoller, James Kevin
Flushing, New York

Stoughton, Roland Baker
Rancho Santa Fe, California

Stover, Gerald Wayne
Springfield, Massachusetts

Stow, Thomas William
Atlanta, Georgia

Strauss, Edward Bruce
Lawrence, New York

Strogatz, David Stanton
Torrington, Connecticut

Sullivan, John Louis III
Bethesda, Maryland

Sullivan, William Thrall Francis
Windsor, Connecticut

Swett, Albert Louis
New Canaan, Connecticut

Tahsler, Bruce Donald
Ambler, Pennsylvania

Teichgraeber, Michael Gerard
Houston, Texas

Thaler, Thomas Warren
Chestnut Hill, Massachusetts

Theile, Richard Michael
North Caldwell, New Jersey

Thibeault, George Alan
Saratoga, California

Thompson, Robert Bruce III
Malvern, Pennsylvania

Tobias, Norman Cecil
Westmount, Quebec, Canada

Tobochnik, Jan
Philadelphia, Pennsylvania

Tornow, David Staab
Northampton, Massachusetts

Treat, John Whittier III
East Hampton, Connecticut

Trinkaus, Peter Mark
Ann Arbor, Michigan

Tsiaras, Philip George
Nashua, New Hampshire

Tull, David Allan
Madison, Connecticut

Ulano, Michael Scott
Holyoke, Massachusetts

von Salis, Andrew Mead
Morristown, New Jersey

Walker, Richard George
Philadelphia, Pennsylvania

Wallace, Robert Sherrill
Tiptonville, Tennessee

Wang, Christopher Mark
Loudonville, New York

Wattley, Thomas Jefferson Jr.
Dallas, Texas

Waybright, Douglas Grover
Saugus, Massachusetts

Webster, Christopher White
Bethesda, Maryland

Weeks, Gary Lawrence
Wilmette, Illinois

Wiley, David Welles
Seattle, Washington

Williams, David Symmes
Rocky River, Ohio

Williams, Ernest Calvin Jr.
New Haven, Connecticut

Williams, John Irving Jr.
Westbury, New York

Williams, Richard Eugene Jr.
Tuscaloosa, Alabama

Williamson, John Ross
Baldwin, New York

Wilson, Blake McDowell
Eugene, Oregon

Wise, Peter Yeames
West Hartford, Connecticut

Wold, Cameron Lee
Urbandale, Iowa

Wood, Bruce Andrew
Houston, Texas

Woodbrey, Mark Leonard
Gorham, Maine

Woolverton, Frederick Curtis
East Norwich, New York

Yancey, Robert Willingham Jr.
Fajardo, Puerto Rico

Yungmeyer, Harold Ross Jr.
Laramie, Wyoming

Zheutlin, Peter Alan
Paramus, New Jersey

Zink, Daniel Wesley
Wollaston, Massachusetts

VISITING STUDENTS IN RESIDENCE AT AMHERST
MEMBERS OF TWELVE-COLLEGE INTERCHANGE PROGRAM

Name	Class	College
Balfour, Audrey Dianne Peterborough, New Hampshire	1973	Mount Holyoke College
Beckhorn, Marilyn Sue Westfield, New Jersey	1973	Mount Holyoke College

Name	Class	College
Campbell, Virginia Mitchell South Hampton, New Hampshire	1972	Smith College
Davison, Sari Lisa New York, New York	1973	Smith College
Dorman, Joan Ellsworth Rockville, Maryland	1973	Smith College
Dourdeville, Denise Yvette Jefferson, Massachusetts	1973	Mount Holyoke College
Egbert, Margaret Ann Hanover, New Hampshire	1973	Mount Holyoke College
Eng, Gloria Englishtown, New Jersey	1973	Smith College
Feder, Susan Janet New York, New York	1973	Mount Holyoke College
Gerowin, Mina Gene New Rochelle, New York	1973	Smith College
Glaser, Amy Lisa Brooklyn, New York	1973	Smith College
Hansen, Cathrine Anne Needham, Massachusetts	1973	Smith College
Hough, Phyllis Jane Orono, Maine	1973	Smith College
Janoff, Ronnie May Merrick, New York	1973	Smith College
Josephson, Anne Leslie Springfield, New Jersey	1973	Smith College
Lesnett, Dana Elizabeth Los Angeles, California	1973	Smith College
Phillips, Amy Lee New York, New York	1973	Connecticut College
Rubenstone, Sally Fisher Rydal, Pennsylvania	1973	Smith College
Scheib, Elaine Christine Elmsford, New York	1973	Mount Holyoke College
Shields, Linda Peck APO San Francisco, California	1973	Mount Holyoke College
Siegel, Ellen Jean Cranford, New Jersey	1973	Smith College
Smith, Margaret Dunn Waterbury, Connecticut	1973	Wheaton College
Voye, Nancy Susan Warwick, Rhode Island	1973	Connecticut College
Woodard, Laurie Joan Lewiston, Maine	1973	Smith College

OTHER EXCHANGE PROGRAMS

Bancroft, Richard Alan
  Four Corners, Gibraltar
University of Warwick

Jones, Martin
  Sutton, Surrey, England
University of Warwick

SPECIAL STUDENTS

Bougain, Claire
  Villeur-Banne, France

Pevsner, Pierre
  Cachan, France

Patron, Jacques René
  Charenton, France

Track, Karl
  Mainleite, Germany

AMHERST STUDENTS ON LEAVES OF ABSENCE

EDUCATIONAL LEAVES

Anderson, Anthony Bennett Miami, Florida	1973	San Francisco Art Institute
Benzel, Richard Lawrence North Haven, Connecticut	1973	Vincennes, France
Breckberg, Robert Lee Kodiak, Alaska	1973	University of Tel Aviv

Danner, Robert Frederick Jr.
  Wellesley Hills, Massachusetts
	1973	Whittier College
		  Semester in Copenhagen

Ehrgood, Thomas Alexander Jr.
  Lebanon, Pennsylvania
	1973	Sweet Briar College
		  Junior Year in France

Emanuel, Steven Lazar Teaneck, New Jersey	1973	College Year in Paris

Franchot, Peter van Rensselaer
  East Dover, Vermont
	1973	SUNY Program
		  Year in France

Hathaway, David Laurence
  Seattle, Washington
	1972	United Presbyterian Church
		  Junior Year in Rio de
		  Janeiro

Hicks, Robert Christopher
  Los Angeles, California
	1973	California College of Arts
		  and Crafts

Johnson, Ralphael Tyrone
  St. Albans, New York
	1973	Sweet Briar College
		  Junior Year in France

Land, Henry Carter III
  Alexandria, Virginia
	1973	Sweet Briar College
		  Junior Year in France

McNeil, David Lang Cincinnati, Ohio	1973	University of Pennsylvania
Skubi, Craig Anthony Seattle, Washington	1973	University of Washington

Walker, Geoffrey Stearns
  River Forest, Illinois
	1972	Middlebury College
		  University of Madrid

Winkelman, Marc David
  Shaker Heights, Ohio
	1973	Loyola University
		  Year in Rome

EXCHANGE PROGRAMS

Fox, James Warren Sudbury, Massachusetts	1972	University of Warwick
Galloway, Edward Hines Greensboro, North Carolina	1973	University of Warwick
Smith, Edward Lyman Jr. Flossmoor, Illinois	1973	University of Warwick

TWELVE-COLLEGE INTERCHANGE PROGRAM

Browne, Henderson Joseph Washington, D.C.	1974	Wheaton College
Dunnings, Stuart John Lansing, Michigan	1974	Wellesley College
Ettinghausen, Stephen Edmund Princeton, New Jersey	1974	Smith College
Jacobs, Richard Leo Scarsdale, New York	1973	Vassar College
Owens, Franklin Jr. Des Moines, Iowa	1974	Wheaton College
Rosenkrantz, Carl Miami Beach, Florida	1973	Wellesley College
Sampson, Ronald Stephen Elizabeth, New Jersey	1974	Wellesley College

FIELD STUDY PROGRAMS

Ackerman, Stark Allentown, Pennsylvania	1972	Kramer, John Howard Bethesda, Maryland	1972
Bell, Robert Kenneth Bronx, New York	1972	Long, Joseph Vincent Potomac, Maryland	1973
Brady, Thomas Geoffrey Lynnfield, Massachusetts	1972	Metzger, Jeffrey Paul Haworth, New Jersey	1972
Brock, James Thacher Ridgewood, New Jersey	1972	Miller, James Alan Bow, New Hampshire	1972
Curry, Dennis Lackey New Rochelle, New York	1973	Mitchell, Robert Lawton, Jr. Garden City, New York	1972
Douglass, Malcolm Paul Jr. Clarement, California	1973	Rain, John Wharton Dallas, Texas	1972
Eaton, Robert Ayers Jr. Hingham, Massachusetts	1972	Reingold, Paul Dennis Concord, New Hampshire	1973
Feuerstein, Lee William New York, New York	1972	Romero, Edgar Charles Seattle, Washington	1972
Helfand, David John Mattapoisett, Massachusetts	1972	Rosen, Mark Alan West Hartford, Connecticut	1972
Kingman, Robert Edwin Wayzata, Minnesota	1972	Rounseville, William Robinson Newton Centre, Massachusetts	1972

Samaras, Alexandros Constantine 1972
  Athens, Greece

Shak, Steven 1972
  Cranford, New Jersey

Smith, Peter Whitall 1973
  Meadowbrook, Pennsylvania

Stickney, Kenneth John Jr. 1972
  Cranston, Rhode Island

Tolle, Stephen John 1972
  Hingham, Massachusetts

Viner, Brant Leed 1972
  Washington, D.C.

Wade, Jeptha Allen III 1973
  Saratoga, California

Yardley, Stephen Keyes 1972
  Needham, Massachusetts

Zametkin, Alan Joel 1972
  Providence, Rhode Island

SUMMARY OF ENROLLMENT*

Seniors, Class of 1972	267	Exchange Students	
Juniors, Class of 1973	296	Full Time	26
Sophomores, Class of 1974	318	Part-Time	0
Freshmen, Class of 1975	325	Sub Total	1,232
Sub Total	1,206	Graduate Students	0
		Special Students	4
		TOTAL	1,236

*Not included are the 54 Amherst students who are on leaves of absence away from Amherst as of the first semester, 1971-72.

CLASSIFICATION BY RESIDENCE

New York	257	Oklahoma	4
Massachusetts	186	Oregon	4
Connecticut	139	Arizona	3
Pennsylvania	86	Kentucky	3
New Jersey	77	South Carolina	3
Maryland	51	Hawaii	2
Ohio	50	Wyoming	2
Illinois	46	Arkansas	1
California	33	Kansas	1
Maine	23	Mississippi	1
Michigan	20	Montana	1
Virginia	20	Utah	1
Minnesota	19	Canada	5
New Hampshire	16	France	5
Texas	15	Greece	3
Missouri	14	England	3
District of Columbia	13	Japan	3
Rhode Island	11	Puerto Rico	3
Wisconsin	11	Germany	2
Vermont	9	Brazil	1
Alabama	9	Chile	1
Georgia	9	Congo	1
Colorado	8	Gibraltar	1
North Carolina	8	Hong Kong	1
Tennessee	8	Ireland	1
Delaware	6	Italy	1
Florida	6	Mexico	1
Iowa	6	Scotland	1
Washington	6	Vietnam	1
Louisiana	5	West Cameroon	1
Indiana	4	Total	1,236
New Mexico	4		

VI

THE SOCIETY OF THE ALUMNI

THE ALUMNI COUNCIL

THE ALUMNI ASSOCIATIONS

Buckley Hall in the Amherst Music Building

The Society of the Alumni

The Annual Meeting of The Society of the Alumni is held in Commencement Week.

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The Alumni Council

1958	C. Michael Spero	1964	Peter D. Kleinman
1959	Richard A. Cook	1965	William R. Buechner
1960	John F. Swope	1966	Charles K. Wray
1961	Alexander S. Twombly, III	1967	Irvin D. Gordon
1962	Brian Christaldi	1968	Claude A. Pickens
1963	Mark E. Meyerson	1969	Claudius A. Gordon

REPRESENTATIVES OF
ALUMNI ASSOCIATIONS

Arizona (Phoenix)
Eric H. Marks '17

Arizona (Tucson)
Linn M. Hazen '33

Baltimore
Stephen T. Ellen '37

Boston
Lucian J. Colucci '37
Guilbert Q. Wales '35

California (Northern)
David Winslow '38

California (Southern)
William L. Plunkett '51
Franklin Stockbridge '42

Cape Cod
Lloyd W. Miller '19

Chicago
Robert B. Jarchow '44
Ernest Palmer, Jr. '36

Connecticut
J. Herbert Arnold, Jr. '43

Connecticut (Southern)
Victor R. Pattengill, Jr. '39

Connecticut Valley
Daniel Leavitt '45

Florida (Gulf Coast)
James J. Corral '40

Florida (Southern)
William Atwill '26

Georgia
Lee N. Lindeman '59

Hawaii
Edson P. Shepherd '55

Indiana
Gerry LaFollette '55

Maine
Richard S. Wolfe '52

Massachusetts (Central)
James M. Karet '58

Michigan
Richard J. Langs '55

Minnesota
Charles McI. Webster

New Hampshire
Harold C. F. Hammerstrom '28

New York (City)
William E. Whitney, Jr. '54

New York (Central)
Robert B. Simonton '54

New York (Northeastern)
V. Earl Nicklas '39

New York (Westchester)
Clifford B. Storms '54

New York (Western)
W. Barry Mallon '44

Ohio (Central)
John W. Edwards '59

Ohio (Northern)
R. G. McCreary, Jr. '40

Ohio (Valley)
Stuart J. Swensson, Jr. '46

Pennsylvania (Western)
Robert L. Munroe

Philadelphia
Herbert H. Middleton, Jr. '50
Franklin A. Wurman '53

Rhode Island
C. George Taylor '39

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Rochester
 Charles P. Northrup '63
 James A. Reed, Jr. '52
Rocky Mountain
 Frederick K. Conover II '55
St. Louis
 Rodney Harris, Jr. '40
 William H. Webster '45
Texas (Dallas)
 Frederick M. Smith II '56
Texas (Houston)
 William C. Liedtke, Jr. '45

The Columbia
 Edgar A. Taylor, Jr. '30

Washington, D.C.
 William C. Hart '44
 A. Lyman Warner, Jr. '58

Washington (State)
 George C. Buck '42

Wisconsin
 (to be selected)

FOREIGN

France
 Archie L. Taylor '49

Great Britain
 Donald E. Hardy '16

Japan
 Toshihiko Yamaguchi '26

Korea
 Pyong Re Min '60

MEMBERS AT LARGE

James A. Stewart '39
Cameron K. Wehringer '46
James H. Balmos '50
John F. Bergin '50
Robert J. McKean, Jr. '50
Walter J. Hunziker, Jr. '51
James J. Jordan '52

Byron T. Foster '53
Seth H. Dubin '54
Stephen B. Oresman '54
Maurice A. Longsworth '54
William McC. Vickery '57
David M. Mace '60
Douglas C. Magee '69

The Alumni Associations
1970-1971

EASTERN & SOUTHERN ASSOCIATIONS

The Association of Boston. *President:* Peter S. Damon '57, 743 Webster Street, Needham, Massachusetts 02192. *Secretary:* Robert E. Pruyne '56, 19 Priscilla Road, Wellesley Hills, Massachusetts 02181.

The Association of Cape Cod. *President:* Philip M. Breed '18, Crystal Lake Road, Wianno, Massachusetts 02674. *Secretary:* Lloyd W. Miller '19, 1300 Craigville Beach Road, Centerville, Massachusetts 02632.

The Association of Central Massachusetts. *President:* Michael N. Abodeely, Jr. '58, 9 Dubiel Drive, Worcester, Massachusetts 01609. *Secretary:* Robert A. Armstrong '58, 15 Manadnock Road, Worcester, Massachusetts 01605.

The Connecticut Valley Association. *President:* Thomas J. O'Connor, Jr. '47, 42 Oakland Road, Wilbraham, Massachusetts 01095. *Secretary:* Jonathan P. Rice '62, Apartment D-9, 215 Ft. Pleasant Avenue, Springfield, Massachusetts 01108.

The Association of Connecticut. *President:* Arthur B. Ellis '56, I.W. Katz & Assoc., Inc., 111 Pearl Street, Hartford, Connecticut 06103. *Secretary:* James E. Anderson '57, 18 Powder Horn Drive, Simsbury, Connecticut 06070.

The Association of Southern Connecticut. *President:* Robert K. Tisdall '50, 11 Richmond Hill Road, South Norwalk, Connecticut 06854. *Secretary:* Thomas A. Halleran, III '56, 67 Toquan Road, New Canaan, Connecticut 06840.

The Association of Maine. *President:* William F. Julavits '64, University of Maine Law School, Portland, Maine 04103. *Secretary:* David F. Whorf '50, 381 Falmouth Road, Falmouth, Maine 04105.

The Association of New Hampshire. *President:* David G. Underwood, II, M.D. '54, 29 Rumford Street, Concord, New Hampshire 03301. *Secretary:* John F. Swope '60, 173 Mountain Road, Concord, New Hampshire 03301.

The Association of Rhode Island. *President:* Allen H. Howland '42, 60 Crestonway, Warwick, Rhode Island 02886. *Secretary:* John Waterman '51, Hillside Avenue, Rehoboth, Massachusetts 02769.

The Association of New York. *President:* C. Michael Spero '58, 60 East 42nd Street, New York, New York 10017. *Secretary:* Robert K. Slote '51, J. W. Sparks & Co., 60 Broad Street, New York, New York 10004.

The Association of Westchester. *President:* Robert C. Ransom '41, 22 Gladwin Place, Bronxville, New York 10708. *Secretary:* William W. Collins '53, 47 Grace Church Street, Rye, New York 10580.

The Association of Northeastern New York. *President:* V. Earle Nicklas '39, 24 Lake Street, Cooperstown, New York 13326. *Secretary:* James E. Siggins '52, 209 Kenwood Avenue, Delmar, New York 12054.

The Association of Central New York. *President:* Arnold Poltenson '56, 4882 Briarwood Lane, Manlius, New York 13104. *Secretary:* Curtis L. Barnes, Jr. '55, 105 North Street, Manlius, New York 13104.

The Association of Western New York. *President:* Richard L. Gernold '60, 6635 East Quaker, Orchard Park, New York 14127. *Secretary:* James W. Greene '61, 768 Elliot Square Building, Buffalo, New York 14203.

The Association of Rochester. *President:* James A. Hawkins '50, 26 Little Spring Run, Fairport, New York 14450. *Secretary:* Hervey C. Merrill '41, 15 East View Terrace, Pittsford, New York 14534.

The Association of Philadelphia. *President:* Richard C. Bond, Jr. '59, 1600 Three Penn Center, Philadelphia, Pennsylvania 19102. *Secretary:* William A. Medlicott '39, Box 427, Devon, Pennsylvania 19333.

The Association of Western Pennsylvania. *President:* George O. Baker '33, 4901 Frich Drive, Pittsburgh, Pennsylvania 15227. *Secretary:* Robert L. Munroe '53, 613 Berkshire Drive, Pittsburgh, Pennsylvania 15215.

The Association of Washington, D.C. *President:* Michael A. Rizik '46, 1316 Rockland Terrace, McLean, Virginia 22101. *Secretary:* Carl R. Gray '57, 5923 Gloster Road, Washington, D.C. 20016.

The Association of Baltimore. *President:* David G. Mock '47, 1121 Bellemore Road, Baltimore, Maryland 21210. *Secretary:* Carroll R. Hebbel '64, 8109 Clyde Bank Road, Baltimore, Maryland 21234.

The Association of Georgia. *President:* Robert R. Eckardt '55, 210 Mt. Paran Road, N.W., Atlanta, Georgia 30327. *Secretary:* Lee N. Lindeman '59, 149 Lake Forrest Lane, N.E., Atlanta, Georgia 30305.

The Association of Southern Florida. President: Edward C. Haynes, Jr. '51, 9275 Southwest 81st Street, Miami, Florida 33143. *Secretary:* C. Richard Faunt '39, 10305 S. W. 64th Avenue, Miami, Florida 33156.

The Gulf Coast Alumni Association. *President:* Ward Patton, Jr. '42, 100 Sandy Hook, Sarasota, Florida 33581. *Secretary:* George W. Phillips '52, 2124 West Shore Boulevard, Tampa, Florida 33607.

CENTRAL & FAR WESTERN ASSOCIATIONS

The Association of Northern Ohio. *President:* Hugh R. Silbaugh, Jr. '54, 1946 Manchester Road, Cleveland Heights, Ohio 44122. *Secretary:* David N. Smith, Jr. '62, 3115 Scarborough Road, Cleveland Heights, Ohio 44118.

The Association of Central Ohio. *President:* Sheldon A. Taft '59, 52 East Gay Street, Columbus, Ohio 43215. *Secretary:* William L. Millard '53, 150 East Broad Street, Columbus, Ohio 43215.

The Association of The Ohio Valley. *President:* Stuart J. Swensson '46, 823 Princeton Drive, Terrace Park, Ohio 45174. *Secretary:* Terrence D. Garrigan '50, 1016 Markley Road, Cincinnati, Ohio 45230.

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